PB-217 828

STATEMENT: WATER QUALITY MANAGEMENT AND POLLUTION CONTROL PROGRAM IN IOWA, KANSAS, MISSOURI, AND NEBRASKA. VOLUME II. APPENDIX A-WATER RESOURCES APPENDIX B-WATER QUALITY AND BASIC DATA

Public Health Service
Kansas City, Missouri

May 1964

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STATEMENT
WATER POLLUTION AND QUALITY MANAGEMENT PROGRAMS OF THE STATES OF IOWA, KANSAS, MISSOURI, AND NEBRASKA

by

Division of Water Supply and Pollution Control
Public Health Service
U. S. Department of Health, Education, and Welfare
Region VI
Kansas City, Missouri

Presented before the
Natural Resources and Power Subcommittee
of the
House Committee on Government Operations
Kansas City, Missouri
May 22-23, 1964

I

STATEMENT WATER POLLUTION CONTROL AND QUALITY MANAGEMENT PROGRAMS FOR IOWA, KANSAS, MISSOURI AND NEBRASKA

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APPENDIX A

WATER RESOURCES

II

A. WATER RESOURCES

WATER RESOURCE STUDIES

The Water Resource Section of the Public Health Service makes water resource studies as requested for the Corps of Engineers and the Bureau of Reclamation. The studies for the Corps of Engineers are made in accordance with the Memorandum of Agreement dated November 4, 1958, between the Department of the Army and the Department of Health, Education, and Welfare relative to the Water Supply Act of 1958 (Title III of Public Law 85-500) and the Federal Water Pollution Control Act of 1956, both as amended by Public Law 87-88, July 1961. The studies for the Bureau of Reclamation are made in accordance with provisions of the Federal Water Pollution Control Act of 1956, as amended by Public Law 87-88, July 1961.

The purpose of these study was studies is to determine the need for and value of storage for municipal and industrial water supply and water quality control. The studies cover water storage needs and values during the study periods, usually 50 or 100 years.

To efficiently develop the water resources for competitive uses and effectively supply the present and projected needs of the study area, the past and present economic conditions are investigated. The projected economic development is the basis on which the future municipal and industrial water requirements, waste loading, and releases for quality control are determined.

The availability and adequacy of present sources of water in the study area are determined. The quality and quantity of both surface and ground water sources are considered.

Data on present municipal and industrial water supply uses are tabulated. Public Health Service Drinking Water Standards are used as a basis for rating the quality of water supply sources.

Prospective municipal and industrial water supply needs during the study period are based on economic projections. After the need has been determined, an estimate is made of the value of storage by considering the cost of the most feasible alternative for obtaining an equally satisfactory water supply.

The present and future needs for water storage for streamflow regulation for quality control are estimated. The present needs are based on uncontrolled streamflows, organic and inorganic concentrations and other miscellaneous factors. Economic projections, water quality, and prospective legitimate water uses are used in estimating future needs for streamflow regulation for quality control. The value of the storage required for quality control is determined by calculating the cost of obtaining the needed streamflow regulation from the most feasible alternate source.

The preceding following statements are from water resource reports of studies made in the Four-State area of Iowa, Kansas, Missouri and Nebraska:

Cedar Rapids Division (B)

Conclusions:

1. Projections to the year 2060 indicate a requirement of 8.0 mgd in the

study area for municipal and industrial water use.

2. Future municipal and industrial water requirements can be met from ground water supplies at less cost than storage in the proposed project.

3. Projections to the year 2060 indicate that no water storage will be required for regulation of streamflow for the purpose of water quality control. With adequate sewage treatment, the flows in the Cedar River will be sufficient without making water releases for water quality control. This assumes that all municipal and industrial wastes will be adequately treated before reaching the Cedar River.

Chariton & Little Chariton River Basins (C)

Conclusions:

1. Projections to the year 2060 indicate a requirement of 60.0 mgd in the study area for municipal and industrial water use.

2. Projections to the year 2060 indicate municipal and industrial requirements will be 13 cfs from the Chariton River and seven cfs from the East Fork.

3. Surveys of the strip mine areas are needed to calculate requirements for water quality control due to pollution from these areas.

4. Based on effluents from sewage plants discharging to the streams in the study area, the following minimum flows will be required for water quality control:

Chariton River	33 cfs
East Fork	7 cfs
Middle Fork	3 cfs

5. Streamflow regulation will improve water quality downstream from the reservoirs and will benefit several communities in a large area. Thus, the benefits would be regional and widespread in scope.

Des Moines River (C)

Conclusions:

1. Projections indicate total municipal and industrial water requirements in the study area will be 113 mgd (million gallons per day) in the year 2010 and 302 mgd in the year 2060.

2. Future municipal and industrial water requirements from the Des Moines River downstream from Saylorville Reservoir will be approximately 20 mgd (30 cfs (cubic feet per second)) in the year 2010 and approximately 200 mgd (300 cfs) in 2060.

3. Estimations of present flow requirements for quality control in the Des Moines River indicate a need of 500 cfs at Des Moines and 225 cfs at Ottumwa, providing all wastes are adequately treated.

4. Based on adequate treatment of all wastes, projections to 2010 and 2060 indicate a need of 1,000 cfs at Des Moines and 500 cfs at Ottumwa for the purpose of water quality control.

5. It is recommended that sufficient storage be provided so that these streamflows can be maintained for a one percent drought frequency during a six-month deficiency period.

Fishing River Basin (C)

Summary:

1. The East Fork Reservoir is proposed for construction on East Fork Fishing River at Excelsior Springs. The Dry Fork Reservoir is proposed for construction on Dry Fork at Excelsior Springs. The Clear Creek Reservoir is proposed for construction on Clear Creek about four miles northwest of Kearney. East Fork Fishing River and Clear Creek are tributaries of the Fishing River, and Dry Fork is a tributary of East Fork Fishing River.

2. The study area is the Fishing River drainage basin, located in parts of Clay, Clinton, and Ray Counties in Missouri. For statistical interpretations, economic projections were made only for Clay County.

3. The area of the Fishing River Basin is approximately 282 square miles.

4. Population of the one-county study area was 87,474 in 1960, of which 70,654 was urban and 16,820 was rural.

5. Excelsior Springs, with a 1960 population of 6,418, is the principal community in the drainage basin.

6. Average daily 1963 municipal and industrial water use of the communities studied in the basin was 0.86 mgd (million gallons per day) supplying a population of 8,150 people with an average use of approximately 105 gpcd (gallons per capita per day).

7. The raw wastes produced at Excelsior Springs are approximately 5,600 P.E. (population equivalents).

Conclusions:

1. The urban population of the study area will increase from 70,654 persons in 1960 to 180,000 persons by 2010 and to 325,000 persons by the year 2060.

2. Municipal and industrial water demands for Excelsior Springs will increase from 0.75 mgd in 1960 to 1.8 mgd by 2010 and to 3.3 mgd by the year 2060.

3. Water storage in the two proposed reservoirs at Excelsior Springs could be used as a source of water to supply the municipal and industrial water needs for Excelsior Springs and Lawson.

4. The value of storage in the two proposed reservoirs at Excelsior Springs to meet the present and projected municipal and industrial water demands, which natural runoff does not supply, is $24,970 per year for the duration of the study

period, 1960 to 2060. The year of first need is 1960.

5. Total streamflows needed for quality control are at the main pollution point, Excelsior Springs' lagoon effluent to Fishing River. Based on 0.10 probability of flows being equal to or less than volumes indicated, i.e., 90 percent protection level, the streamflow regulation required for quality control is shown below:

Year	Draft on Storage Required for Water Quality Control Acre-Feet/year
1960	350
2010	1,320
2060	2,470

6. Maintenance of satisfactory water quality in the Fishing River Basin will benefit a wide spectrum of water uses in the study area. Recreational opportunities, including fishing, swimming, water skiing, and boating will be increased. The esthetic values of the stream stemming from clean surface waters and a satisfactory public health water environment will be restored and the restoration or preservation of property values in areas contiguous to the stream will thereby be assured. Practically all communities now have adequate waste treatment plants either in operation or under construction. If the proposed Clear Creek Reservoir is used for streamflow regulation for quality control, it will improve the water quality of Clear Creek for a distance of 11 miles and improve the quality of Fishing River for 22 miles. If the proposed reservoirs at Excelsior Springs are used for streamflow regulation for quality control, they will improve the water quality of East Fork Fishing River for 8 miles and improve the quality of Fishing River for 14 miles. The total population of the study area will benefit from streamflow regulation. The 1960 population of 87,474 is expected to increase to 180,000 persons by 2010 and 325,000 by 2060.

7. The total annual value of storage to supply the above streamflow regulation for quality control is $10,200 per year for the duration of the study period.

Grand River Basin (C)

Summary:

1. Seven multipurpose reservoirs are proposed for the Grand River Basin. The reservoirs are planned for flood control, municipal water supply, pollution abatement, recreation, and fish and wildlife.

2. Economic projections were made for all or parts of the following counties: Iowa- Ringgold, Decatur, Union, and Adair; Missouri - Worth, Harrison, Mercer, Gentry, Grundy, Sullivan, DeKalb, Daviess, Livingston, Linn, Caldwell, Clinton, and Chariton. The areas studied are within the Grand River drainage basin.

3. The basic industries of the area in their order of importance are: Agriculture, Manufacturing, and mining.

4. The principal communities in the study area are in Missouri. Their 1960 population figures are: Chillicothe, 9,236; Trenton, 6,236; Brookfield, 5,694; Cameron, 3,674; and Bethany, 2,771. All other communities in the study area had 1960 population figures of less than 2,500.

5. Treatment of Chillicothe's sewage reduces the organic waste concentration from 11,000 population equivalent (P.E.) to 1,100 P.E. before discharging to Grand River. Treatment of Trenton sewage reduces the organic waste concentration from 17,700 P.E. to 4,170 P.E. before discharging to Thompson River. Treatment of Brookfield sewage reduces the organic waste concentration from 4,400 P.E. to 440 P.E. before discharging to a ditch that flows to Yellow Creek. Treatment of Cameron sewage reduces the organic waste concentration from 2,600 P.E. to 300 P.E. before discharging to a Branch of Shoal Creek. Treatment of Bethany sewage reduces the organic waste concentration from 3,355 P.E. to 2,180 P.E. before discharging to East Branch of Big Creek.

6. Thirteen municipalities in the study area use wells for their water supplies and thirteen have reservoirs or impoundments. One uses water from the Grand River.

Chillicothe uses water from the Grand River. Trenton has two reservoirs and pumps water from the Thompson River and Bethany can pump water from Big Creek when needed. Brookfield pumps water from Yellow Creek.

Conclusions:

1. Population in the study area is expected to increase from 163,323 in 1960 to 170,000 by 2010, and 270,000 by 2060.

2. The urban sector of the population is expected to show a significant increase, rising from approximately 38,000 in 1960 to 75,000 in 2010 and 180,000 in 2060.

3. Based on the availability of water in the basin and projections of population and economic growth, the need for municipal and industrial water supply is expected to increase from four million gallons per day (MGD) at present to about 13 mgd by 2010 and 27 mgd by 2060.

4. The present needs for municipal and industrial water can be met by using the present water supply sources plus the proposed municipal water works facilities.

5. Considering the inadequacy and poor quality of the ground water in the area and the accessibility of the communities to the system of reservoirs, it is estimated that the municipal and industrial water requirements from the system of reservoirs will be 8.0 cfs (5.3 mgd) in 2010 and 19.0 cfs (12.7 mgd) by the year 2060.

6. Based on the area's projected growth, storage for water quality control is needed to provide regulated flows of 25 cubic feet per second (cfs) for the base period, 55 cfs by 2010 and 97 cfs by 2060.

7. The total average value of storage to provide the needed streamflow regulation for quality control is estimated to be $136,200 annually.

Kaysinger Bluff Dam and Reservoir (C)

Conclusions:

1. In the area studied, most municipalities use ground water. Also, in the Lake of the Ozarks area, the resorts and cabin owners use ground water. The Missouri Division of Health records show that the ground water quality is good and that there is an adequate supply of underground water to meet the present needs of the area, however, in some areas above the damsite the well water contains high dissolved solids making it less desirable for some uses.

2. Subsequent studies will be made to determine whether or not the ground water is ample for future needs.

3. There appears to be an ample supply of water for present needs, but there is a possibility that more water will be required in the future. In subsequent studies more information will be obtained which will be used in determining the expected industrial growth. If it is determined that additional storage for regulation of streamflow for the purpose of water quality control will be needed, additional conservation storage can be provided in other authorized upstream reservoirs.

Little Blue Unit (Angus Reservoir) (B)

Conclusions:

1. There does not appear to be any need for supplemental storage within the Angus Reservoir for municipal and industrial water supplies, or for stream quality maintenance within the Little Blue River; therefore, no monetary benefits can be assigned to the project for these purposes.

Marmaton River Basin (C)

Summary:

1. The Fort Scott Dam and Reservoir is proposed for construction on the Marmaton River, a tributary of the Osage River, about eight miles west of Fort Scott, Kansas.

2. The study area is the Marmaton River drainage basin, located in parts of Allen, Bourbon, and Crawford Counties in Kansas, and Barton and Vernon Counties in Missouri. For statistical interpretation, economic projections were made for the entire Counties of Vernon, Missouri and Bourbon, Kansas.

3. The area of the Marmaton River drainage basin is approximately 1,200 square miles.

4. Population of the two-county study area was 36,630 in 1960, of which 17,826 was urban and 18,804 was rural.

5. Fort Scott, Kansas, and Nevada, Missouri, are the two principal communities having 1960 populations of 9,410 and 8,416, respectively.

6. Average daily 1963 municipal and industrial water use in the area amounts to 2.6 mgd (million gallons per day) to supply a population of 24,000 people, or an average per capita use of approximately 108 gpcd (gallons per capita per day).

7. The raw wastes produced at Fort Scott, Kansas, are approximately 13,300 P.E. (population equivalents) and 10,500 P.E. at Nevada, Missouri.

Conclusions:

1. The urban population of the two-county area will grow from 17,826 persons in 1960 to 50,000 persons by 2010 and to 105,000 persons by the year 2060.

2. Municipal and industrial water demands for the two major municipalities in the study area, Fort Scott and Nevada, will increase from 2.0 mgd in 1960 to 18.0 mgd by the year 2060.

3. Water storage in Fort Scott Reservoir will provide for future municipal and industrial water needs for Fort Scott, Kansas, and Nevada, Missouri, with an estimated population of 80,000 in 2060.

4. The value of storage in Fort Scott Reservoir to meet the municipal and industrial water demands, which natural runoff does not supply, is $18,700 per year for the duration of the study period.

5. Streamflow regulation required for quality control is as shown below:

Year	Draft on Storage Above Reservoir Inflow Required For Water Quality Control Acre-feet/year
1960	1,800
2010	4,600
2060	11,200

6. The value of storage to supply the above streamflow regulation for quality control is $75,900 per year for the duration of the 100-year study period.

7. Maintenance of satisfactory water quality in the Marmaton River will benefit a wide spectrum of water uses in the study area. Recreational opportunities, including fishing, swimming, water skiing, and boating will be increased. The esthetic values of the stream stemming from clean surface waters and a satisfactory public health water environment will be restored and the restoration or preservation of property values in areas contiguous to the stream will thereby be assured. Practically all communities now have adequate waste treatment plants either in operation or under construction.

Meramec River Basin (C)

Summary:

1. Thirty-one reservoirs are proposed for construction in the Meramec River Basin by the Corps of Engineers. Seven are major impoundments, and the remaining are classified as intermediate and/or headwater reservoirs.

2. The location and boundaries of the study area coincide with those of the basin. The study area was divided into two sub-areas which are referred to as the upper and lower areas. The "lower area" is defined as that part of the Meramec River Basin that is north and east of a line between Pacific and Cedar Hill. The "upper area" consists of the remainder of the Meramec River Basin.

3. The future water needs were based on an analysis of the potential economic development of the basin. The economy of the basin is diversified with manufacturing, agriculture, mining and related services in the upper part of the basin and the complex St. Louis Standard Metropolitan Statistical Area (SMSA) in the lower portion of the basin.

4. The need for storage in the years 1970, 2020, and 2070 for municipal and industrial water supplies and quality control regulation was determined.

Conclusions:

1. The population of the Meramec Basin in the St. Louis SMSA is expected to increase from approximately 92,000 in 1960 to about two million in 2070. An increase in population from about 120,000 in 1960 to about one million by 2070 is estimated for the remainder of the basin.

2. A 300 ton per day pulp mill which is expected to begin operations by 1970 will be the largest single water user in the basin.

3. The ground water resources in the upper area is sufficient to meet present and projected municipal and industrial requirements of 32 million gallons per day (mgd) by 1970, 54 mgd by 2020, and 138 mgd by 2070.

4. In the lower area, municipal and industrial demands are expected to reach 17 mgd by 1970, 93 mgd by 2020, and 400 mgd by 2070. By utilizing all of the available ground water resources in the lower area, a demand of 25 mgd can be met.

5. No municipal and industrial water supply benefits are expected to accrue to the project in the upper area. In the lower area in addition to reservoir inflow, 36 mgd will be needed by 2070 to supplement the other water supply sources. This will require a draft on storage of 40,000 acre-feet per year. The year of first need will be 2050. Based on the costs of a single purpose reservoir, water supply storage in a Federal multipurpose impoundment to meet these needs will have an estimated annual value of $31,000 for a 100-year period.

6. Maintenance of satisfactory water quality in the Meramec River basin will benefit a wide spectrum of water uses in the study area. By 2070, three million people will live in the area which will benefit through streamflow

regulation by the improvement of water quality in approximately 450 river miles of stream in the basin. Municipal and industrial raw water supplies of satisfactory quality will be available. Water treatment cost will not be increased. Municipal growth will not be jeopardized by a shortage of water. Recreational opportunities, including fishing, swimming, water skiing, and boating will be increased. The esthetic values of the streams stemming from clean surface waters, a satisfactory public health water environment, and preservation of property values in areas contiguous to the stream will thereby be assured. These benefits may be credited to storage in water quality control only if assurance is given that adequate treatment will be provided. Practically all communities now have adequate waste treatment plants either in operation or under construction.

7. The greatest demand for quality control water will be in the lower area. A total draft on storage above reservoir inflow of approximately 90,000 acre-feet per year will be needed by 2070. The average annual value of storage for quality control is $248,300 for a 100-year period.

O'Neill Project (B)

Conclusions:

1. Projections to the year 2060 indicate a requirement of 12.0 mgd in the study area for municipal and industrial water use.

2. Future municipal and industrial water requirements can be met from ground water supplies at less cost than storage in the proposed reservoir.

3. No water storage will be required for stream flow regulation to maintain downstream quality. The flows in the Niobrara River will be sufficient without making water releases for water quality control.

Perry Reservoir Project (C)

Conclusion:

1. The 150,000 acre-feet of storage in the Perry Reservoir, as requested by the State of Kansas, is necessary for water quality control in the lower reaches of the Kansas River during drought periods.

Platte River Basin (C)

Summary:

1. The Corps of Engineers is making a study of the Platte River Basin to determine the feasibility of constructing multipurpose reservoirs.

2. The study area is the Platte River Basin located in south central Iowa and northwestern Missouri, including Taylor, Ringgold, Union, and Adams Counties in Iowa and Platte, Clay, Buchanan, Clinton, Andrew, DeKalb, Gentry, Nodaway, and Worth Counties in Missouri.

3. The area of the Platte River Basin is 2,440 square miles.

4. Population of the study area was 277,500 in 1960 of which 172,830

were urban and 104,670 were rural. County populations were used in the economic section.

5. The principal communities in the basin and their 1960 population are: Creston, Iowa - 7,667; Bedford, Iowa - 1,807; Maryville, Missouri - 7,807; Platte City, Missouri - 1,118; Smithville, Missouri - 1,254; and Plattsburg, Missouri - 1,663.

6. Average daily 1963 water use from municipal water supplies in the basin amounts to 2.34 mgd (million gallons per day) to supply a population of 27,840, or an average per capita use of approximately 84 gpcd (gallons per capita per day).

7. The raw wastes produced at Bedford are 4,000 P.E. (population equivalents), 7,500 P.E. at Creston, 6,700 P.E. at Maryville, 1,200 P.E. at Smithville, 1,070 P.E. at Platte City, and 1,300 P.E. at Plattsburg.

8. In determinations of water needs, the Platte River Basin is divided into upper and lower areas. Nodaway County, Missouri, and all of the Platte River Basin to the north of Nodaway County is the upper area. The remaining portion of the Platte River Basin is the lower area.

Conclusions:

1. The urban population in the nine-county study area used for economic projections will grow from a population of 280,000 persons in 1960 to 500,000 persons by 2020 and 800,000 persons by 2070.

2. Based on economic projections the municipal and industrial water demands in the upper and lower areas will increase as follows:

	Upper Area MGD	Lower Area MGD
1970	2.1	3.6
2020	6.3	16.3
2070	15.4	46.2

3. The municipal and industrial water demand in the upper area which cannot be met by natural streamflow or ground water sources will be 2.1 by 2070. The value of storage in the upper area to meet the municipal and industrial water demands, which natural runoff does not supply, is $6,300 per year. The annual cost was discounted to 1970 from 2015, the year of first need.

4. The municipal and industrial water demand in the lower area which cannot be met by natural streamflow or ground water sources will be 22.6 mgd by 2070. The value of storage in the lower area to meet the municipal and industrial water demands which natural runoff does not supply is $335,000 per year. The year of first need is 1970.

5. Maintenance of satisfactory water quality in the Platte River basin will benefit a wide spectrum of water uses in the study area. By 2070, 800,000

people will live in the area which will benefit through streamflow regulation by the improvement of water quality in approximately 350 river miles of stream in the basin. Municipal and industrial raw water supplies of satisfactory quality will be available. Water treatment cost will not be increased. Municipal growth will be advanced by an adequate water supply. Recreational opportunities, including fishing, swimming, water skiing, and boating will be increased. The esthetic values of the stream stemming from clean surface waters, a satisfactory public health water environment, and preservation of property values in areas contiguous to the stream will thereby be assured. These widespread benefits may be credited to storage for water quality control only if assurance is given that adequate treatment of wastes will be provided.

6. A total draft on storage of 14,700 acre-feet per year above reservoir inflow will be needed for quality control by 2070 in the lower area. Costs were discounted from the year of first need, 2040 to 1970. The annual value of storage in the lower area for quality control is $12,900.

7. Total draft on storage above reservoir inflow of approximately 10,300 acre-feet per year will be needed for quality control by 2070 in the upper area. An annual draft on storage of 7,700 acre-feet for quality control will be needed by 2070 above Bedford for wastes from Bedford and Maryville. The average value of storage for quality control for Bedford and Maryville wastes is $12,500. The year of first need is 1970. An annual draft on storage of 2,640 acre-feet for quality control will be needed by 2070 for wastes from Creston. The year of first need is 1970. The average annual value of storage for quality control for Creston wastes is $93,700.

Round Mound Dam and Reservoir (B)

Summary:

1. The Round Mound Dam and Reservoir is proposed for construction by the Bureau of Reclamation on Big Creek, a tributary of the Smoky Hill River in central Kansas.

2. The primary purposes for which the reservoir is proposed are flood control, municipal and industrial water supply, and streamflow regulation for quality control in the Big Creek study area.

3. The total drainage area of Big Creek is approximately 848 square miles located in Trego, Ellis, and Russell Counties.

4. Population of the study area in 1960 was 38,901, of which 23,091 persons are living in the principal communities of Wakeeney, Ellis, Hays, and Russell.

5. Average daily 1963 water use in the area amounts to 2.7 million gallons per day, or an average per capita use of approximately 110 gallons.

6. During periods of extreme low flows, the only water flow downstream below Ellis and Hays is their sewage treatment plant effluents.

Conclusions:

1. The population of the study area will increase to approximately 43,000 persons in 1970, 57,000 by the year 1995, and 77,000 people by the year 2020.

2. A dependable water supply will stimulate economic activity in Ellis, Hays, and Russell.

3. Measurable treated waste discharges that will affect the quality of receiving waters will emanate from urban areas.

4. Municipal and industrial wastes which will result from projected water use in the municipalities of Ellis, Hays, and Russell are estimated to be approximately 2.5 mgd in 1970 and 11 mgd by the year 2020.

5. Flow regulation will be required for stream water quality control

Year	Annual draft on storage required for water quality control Acre-feet
1970	420
1995	4,900
2020	12,500

6. Maintenance of satisfactory water quality in Big Creek will benefit a wide spectrum of water uses in the study area. Recreational opportunities, including fishing, swimming, water skiing, and boating will be increased. The esthetic values of the stream stemming from unpolluted surface waters and a satisfactory public health environment will be restored and the restoration or preservation of property values in areas contiguous to the stream will thereby be assured.

7. The average value of storage available for quality control is estimated at $137,000 annually for a 50-year period.

Woodbine Reservoir (C)

Conclusions:

1. Water releases from the Milford and Tuttle Creek reservoirs can meet the estimated water quality control needs of the basin. The flow regulation requirements by the year 2000 are expected to exceed the tentative design storage capacity allocated for this purpose in the Milford Reservoir. No allocation of releases for this purpose has been made on the available Tuttle Creek Reservoir storage. If subsequent studies considering releases from all of the reservoirs in the Kansas system indicate additional storage needs for water quality control releases, the storing of 66,000 acre-feet in the Woodbine Reservoir would have an estimated annual value, based on the cost of the most reasonable alternative source, of at least $74,000.

2. The Public Health Service plans to initiate a comprehensive program for the entire Missouri River Basin. The results of this preliminary study should be considered provisional until the findings of the comprehensive study are available.

(C) Corps of Engineers Projects
(B) Bureau of Reclamation Projects

APPENDIX B

WATER QUALITY AND BASIC DATA

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APPENDIX B

WATER QUALITY AND BASIC DATA

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STATISTICAL COMPARISON OF MUNICIPAL SEWAGE FACILITIES

(1950-1957-1962)

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STATISTICAL COMPARISON OF MUNICIPAL SEWAGE
FACILITIES IN IOWA

	1950	1957	1962
Number of Communities Served by Sewers	350	395	438
Census Population of Communities	1,365,985	1,533,376	1,745,481
Estimated Population Served by Sewers	1,149,099	1,317,740	1,576,800
Number of Communities Served by Separate Sewers	329	357	400
Population Served by Separate Sewers	-	-	-
Number of Communities Served by Combined Sewers	15	19	18
Population Served by Combined Sewers	-	-	-
Number of Communities Served by Both, Separate & Combined Sewers	4	9	10
Population Served by both, Separate & Combined Sewers	-	-	245,150
Number of Communities Served by Sewers not typed	2	10	10
Population Served by Sewers not typed	-	-	6,600
Number of Communities Treating Sewage	278	316	372
Population Served by Treatment	790,623	944,790	1,302,430
Number of Communities Not Treating	74	78	65
Population Untreated	358,470	372,850	274,370
Number of Primary Treatment Plants	39	37	33
Population Served by Primary Treatment	82,915	90,447	225,405
Number of Secondary Treatment Plants	267	294	339
Population Served by Secondary Treatment	707,708	850,843	1,077,025

STATISTICAL COMPARISON OF MUNICIPAL SEWAGE
FACILITIES IN KANSAS

	1950	1957	1962
Number of Communities Served by Sewers	214	287	335
Census Population of Communities	918,370	1,173,131	1,438,548
Estimated Population Served by Sewers	899,320	1,194,355	1,468,250
Number of Communities Served by Separate Sewers	210	277	325
Population Served by Separate Sewers	-	-	-
Number of Communities Served by Combined Sewers	1	1	2
Population Served by Combined Sewers	-	-	-
Number of Communities Served by Both, Separate & Combined Sewers	3	3	3
Population Served by both, Separate & Combined Sewers	-	-	176,400
Number of Communities Served by Sewers not typed	-	6	5
Population Served by Sewers not typed	-	-	4,845
Number of Communities Treating Sewage	159	249	322
Population Served by Treatment	629,130	952,335	1,312,440
Number of Communities Not Treating	57	37	14
Population Untreated	270,190	228,820	155,810
Number of Primary Treatment Plants	32	37	38
Population Served by Primary Treatment	267,270	336,145	143,300
Number of Secondary Treatment Plants	132	213	284
Population Served by Secondary Treatment	361,860	616,190	1,169,140

STATISTICAL COMPARISON OF MUNICIPAL SEWAGE

FACILITIES IN MISSOURI

	1950	1957	1962
Number of Communities Served by Sewers	230	312	466
Census Population of Communities	2,159,012	2,544,660	2,886,491
Estimated Population Served by Sewers	1,757,910	2,160,301	2,643,725
Number of Communities Served by Separate Sewers	208	253	411
Population Served by Separate Sewers	-	-	-
Number of Communities Served by Combined Sewers	6	8	6
Population Served by Combined Sewers	-	-	-
Number of Communities Served by Both, Separate & Combined Sewers	16	22	24
Population Served by both, Separate & Combined Sewers	-	-	1,411,960
Number of Communities Served by Sewers not typed	-	29	25
Population Served by Sewers not typed	-	-	121,595
Number of Communities Treating Sewage	151	207	366
Population Served by Treatment	333,650	584,015	912,990
Number of Communities Not Treating	82	103	100
Population Untreated	1,424,260	1,550,786	1,730,735
Number of Primary Treatment Plants	76	39	24
Population Served by Primary Treatment	115,700	46,275	98,170
Number of Secondary Treatment Plants	104	196	342
Population Served by Secondary Treatment	217,950	536,540	814,820

STATISTICAL COMPARISON OF MUNICIPAL SEWAGE

FACILITIES IN NEBRASKA

	1950	1957	1962
Number of Communities Served by Sewers	198	253	300
Census Population of Communities	681,495	794,337	935,087
Estimated Population Served by Sewers	570,266	724,622	802,230
Number of Communities Served by Separate Sewers	170	235	275
Population served by Separate Sewers	-	-	-
Number of Communities Served by Combined Sewers	11	13	13
Population Served by Combined Sewers	-	-	-
Number of Communities Served by Both, Separate & Combined Sewers	5	5	6
Population Served by both, Separate & Combined Sewers	-	-	245,150
Number of Communities Served by Sewers not typed	13	-	6
Population Served by Sewers not typed	-	-	12,820
Number of Communities Treating Sewage	110	164	225
Population Served by Treatment	263,562	349,247	477,675
Number of Communities Not Treating	90	88	75
Population Untreated	306,704	195,375	324,555
Number of Primary Treatment Plants	32	34	44
Population Served by Primary Treatment	41,510	41,170	96,165
Number of Secondary Treatment Plants	77	126	181
Population Served by Secondary Treatment	222,052	305,317	381,510

SOURCES OF PUBLIC WATER SUPPLIES

and

ESTIMATED POPULATION SERVED

B-4-d

Source of Water Supply for Number of Facilities and Population

Arranged by Population, States and Drainage Basins

STATE	TOTAL		GROUND SOURCES		SURFACE SOURCES		BOTH GROUND AND SURFACE SOURCES	
	Number of communities	Estimated Population served	Number of communities	Estimated Population served	Number of communities	Estimated Population served	Number of communities	Estimated Population served
1953								
Iowa	587	1,384,930	545	1,041,370	39	328,980	3	14,580
Kansas	384	1,037,945	319	577,835	58	444,010	7	16,100
Missouri	355	2,242,715	224	302,225	127	1,869,580	4	70,910
Nebraska	410	704,250	401	459,980	9	244,270	-	-
1958								
Iowa	684	1,766,960	641	1,076,849	37	433,540	6	256,571
Kansas	437	1,392,801	362	743,917	60	445,784	15	44,381
Missouri	375	3,357,937	293	567,452	81	2,686,485	1	104,000
Nebraska	431	943,261	425	607,636	6	335,625	-	-

INVENTORY OF MUNICIPAL SEWAGE FACILITIES

For

IOWA, KANSAS, MISSOURI, NEBRASKA

B-6

IOWA

The data for this State have been collected with the helpful cooperation of the:

Iowa State Department of Health
Division of Public Health Engineering

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INVENTORY OF MUNICIPAL WASTE FACILITIES

STATE IOWA
YEAR 1962
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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION 1	COUNTY 2	1960 Population 3	Estimated Population Served 4	TYPE SEWER SYSTEM 5	AVERAGE DAILY FLOW MGD 6	Des'd For Average Daily Flow MGD / P.E. (1000's) 7	TREATMENT FACILITIES TREATMENT 8	LINE NO.
ACKLEY	Hardin	1,731 -	1,650 -	S -	0.200E -	0.200 1.680	ScCmFtrCmDcpBo -	1
ADEL	Dallas	2,060 -	1,500 -	SC -	x -	- -	None -	2
AFTON	Union	773 -	600 -	S -	0.030E -	0.100 1.254	Lo -	3
AKRON	Plymouth	1,351 -	1,100 -	S -	x -	- -	None -	4
ALBERT CITY	Buena Vista	722 -	700 -	S -	0.042E -	0.077 1.420	ClFtrCpBo -	5
ALBIA North Plant	Monroe	4,582 -	2,000 -	S -	x -	x x	GhClFsBo -	6
ALBIA Southeast Plant	Monroe	- -	1,000 -	S -	0.045 -	x 2.000	ShClFtnCpBo -	7
ALBIA Southwest Plant	Monroe	- -	860 -	S -	x -	x x	GhClFtrCpBo -	8
ALBION	Marshall	588 -	500 -	S -	x -	0.060 0.600	Lo -	9
ALDEN	Hardin	838 -	660 -	S -	x -	0.060 0.900	ClFtnBo -	10
ALGONA	Kossuth	5,702 -	5,200 -	S -	0.400 -	0.655 8.900	SgOmKmCmFtrCmDfh -	11
ALLERTON	Wayne	692 -	600 -	S -	0.045 -	0.075 x	ScClFoClFtrClBo -	12
ALLISON	Butler	952 -	850 -	S -	0.070E -	0.068 x	ShClFtrCpBo -	13
ALTA	Buena Vista	1,393 -	1,325 -	S -	0.093E -	0.117 1.900	ShCmFtrCmDfhrBo -	14
ALTA VISTA	Chickasaw	276 -	250 -	S -	x -	0.040 0.400	ShClFtnCpBo -	15
ALTON	Sioux	1,048 -	1,000 -	S -	0.067 -	0.120 1.200	Lo -	16
ALTOONA	Polk	1,458 -	1,400 -	S -	0.155 -	0.120 1.200	ShClFtrCpBo -	17
AMANA S. D.	Iowa	- -	100 -	S -	x -	0.010 0.100	Lo -	18
AMES	Story	27,003 -	26,000 -	S -	2.000 -	2.200 27.000	Sc(KsGh)CmFtrCmEcgDefhrBo -	19
ANAMOSA	Jones	4,616 -	4,300 -	S -	0.500 -	0.669 7.850	ScGh(KmCm)FtrCmDfhrBo -	20
ANITA	Cass	1,233 -	800 -	S -	x -	- -	None -	21
ANKENY	Polk	2,964 -	2,700 -	S -	x -	0.285 4.200	ScCmFtrCmDfhBo -	22
ANTHON	Woodbury	681 -	650 -	S -	0.035 -	0.030 0.600	GhCsFsBo -	23
APLINGTON	Butler	840 -	750 -	S -	x -	0.072 0.500	ClFtnBo -	24
ARLINGTON	Fayette	614 -	600 -	S -	0.050 -	0.051 1.040	ShCpFthCpDcpBo -	25
ARMSTRONG	Emmet	958 -	700 -	S -	x -	- -	None -	26
ARNOLDS PARK	Dickinson	953 -	(950) -	S -	x -	- -	See Iowa Great Lakes S. D. -	27
ARTHUR	Ida	265 -	235 -	S -	0.013E -	0.015 x	CsFs -	28
ASHTON	Osceola	615 -	550 -	S -	0.020 -	- -	None -	29
ATKINS	Benton	527 -	500 -	S -	x -	0.085 0.675	ShClFthrCpBo -	30

INVENTORY OF MUNICIPAL WASTE FACILITIES

STATE	YEAR	PAGE
IOWA	1962	1 of 16

LINE NO.	COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION 9	DRAINAGE BASIN Maj. Min. 10	DRAINAGE BASIN Sub. 10a	WATER-COURSE MILEAGE 11	DISCHARGE TO 12	P.E. (BOD) UN-TREATED WASTE 13	P.E. (BOD) DIS-CHARGED WASTE 13	Pollution Abatement Needs 14	REMARKS 15
1	ACKLEY	UM 10	- -	M1,399-165E -20E	Middle Fork of Beaver Creek	1,650	200	7 -	
2	ADEL	UM 11	- -	M1,325-150E -20E	Raccoon River	1,500	1,500	0 -	
3	AFTON	MR 13	- -	G64.0-98.0 -14.0	Twelve Mile Creek	600	400E	7 -	
4	AKRON	MR [illegible]	- -	MR763.2- BS54	Big Sioux River	1,200E	1,200E	0 -	
5	ALBERT CITY	UM 11	- -	x -	Drainage Ditch # 34	1,415E	140E	7 -	
6	ALBIA North Plant	UM 11	- -	M1,325-90E -x	Miller Creek to Des Moines River	x	100E	2 -	
7	ALBIA Southeast Plant	UM 11	- -	M1,325-90E -x	Avery Creek to Des Moines Creek	x	100E	5 -	
8	ALBIA Southwest Plant	UM 11	- -	M1,325-100E -x	Cedar Creek	1,315E	130E	7 -	
9	ALBION	UM 10	- -	M1,399-150E -x	Chicken Creek to Iowa River	500E	50E	7 -	
10	ALDEN	UM 10	- -	M1,399-200E -	Iowa River	660E	100E	7 -	
11	ALGONA	UM 11	- -	M1,325-275E -	East Fork of Des Moines River	6,000	600E	7 -	
12	ALLERTON	MR 13	- -	G50-32-45 -	Medicine Creek	3,750	1,500	2 -	
13	ALLISON	UM 10	- -	M1,399-35 -150E	Dry Creek to West Fork Cedar River	x	200E	7 -	
14	ALTA	MR 12	- -	M693.5-13- 63-13	Creek to Maple River	1,800	360	7 -	
15	ALTA VISTA	UM 8	- -	M1,470.8- 160E	Creek to Middle Branch Wapsipinicon River	250E	50E	7 -	
16	ALTON	MR 12	- -	M758.3-52 -	Floyd River	1,075E	675E	7 -	
17	ALTOONA	UM 11	- -	M1,325-175E -x-x	Branch of Four Mile Creek to Des Moines River	1,400	400	1 -	
18	AMANA S. D.	UM 10	- -	M1,399-65E -x	Ditch to Iowa River	100	10	7 -	
19	AMES	UM 11	- -	M1,360-180E -	Skunk River	27,400	2,740	7 -	
20	ANAMOSA	UM 8	- -	M1,470.8 -75E	Wapsipinicon River	7,800E	500	- -	
21	ANITA	MR 12	- -	M560.8-12- 92	Turkey Creek	800	800	0 -	
22	ANKENY	UM 11	- -	M1,325-175E -x-x	Four Mile Creek to Des Moines River	2,700E	250E	7 -	
23	ANTHON	MR 12	- -	M693.5-79 -	Little Sioux River	650	400	4 -	
24	APLINGTON	UM 10	- -	M1,399-35- 145E-35E	Beaver Creek	900	100E	7 -	
25	ARLINGTON	UM 8	- -	M1,572-16E -x-x	Brush Creek to Volga River	600E	60E	7 -	
26	ARMSTRONG	UM 11	- -	M1,325-285E -	East Fork of Des Moines River	1,000E	1,000E	0 -	
27	ARNOLDS PARK	MR 12	- -	MR693.5-x-x -	Creek to Little Sioux River	- -		- -	
28	ARTHUR	MR 12	- -	M693.5-13 -44-7	Dry Run to Odebolt Creek	235	235	4 -	
29	ASHTON	MR 7	- -	BS84.7-28- 5-32	Otter Creek	550	550	0 -	
30	ATKINS	UM 10	- -	M1,399-35 -75E	Dry Creek to Cedar River	500	50	7 -	

INVENTORY OF MUNICIPAL WASTE FACILITIES

STATE	YEAR	
IOWA	1962	PAGE 8 of 16

COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	COUNTY	1960 Population	Estimated Population Served	TYPE SEWER SYSTEM	AVERAGE DAILY FLOW MGD	Des'd For Average Daily Flow MGD P.E. (1000's)	TREATMENT FACILITIES TREATMENT	LINE NO.
1	2	3	4	5	6	7	8	
ATLANTIC	Cass	6,890 -	6,200 -	S -	x -	0.470 9.600	ShKmxCm[FtrCm]* [FtrCm]DefrhBo	1
AUDUBON	Audubon	2,928 -	2,200 -	S -	0.190 -	0.225 3.000	SeCmFtrCmDfrhBo -	2
AURELIA	Cherokee	904 -	900 -	S -	0.108 -	0.137 0.900	ShClFtrCpBo -	3
AVOCA	Pottawattamie	1,540 -	1,200 -	S -	x -	- -	None -	4
BADGER	Webster	340 -	300 -	S -	0.020E -	0.045 0.450	Lo -	5
BAGLEY	Guthrie	406 -	250 -	S -	x -	x x	Cm -	6
BANCROFT	Kossuth	1,000 -	900 -	S -	0.008E -	x x	ClFmBo -	7
BATTLE CREEK	Ida	786 -	550 -	S -	0.050 -	- -	None -	8
BAXTER	Jasper	681 -	600 -	S -	0.050 -	0.072 0.720	Lo -	9
BEDFORD ●	Taylor	1,807 -	1,750 -	S -	0.350E -	0.400 4.130	ShCmFte'hrCmFthCm Dfrptbo	10
BELLE PLAINE	Benton	2,923 -	2,250 -	S -	x -	0.342 4.245	SeShCmFtrCpDfhrBoMo -	11
BELLEVUE	Jackson	2,181 -	1,900 -	S -	x -	- -	None -	12
BELMOND	Wright	2,506 -	2,000 -	S -	0.150 -	0.470 2.600	ShCmDepFtrCp -	13
BETTENDORF	Scott	11,534 -	(11,030) -	S -	x -	- -	See Davenport -	14
BIRMINGHAM	Van Buren	441 -	400 -	S -	x -	0.027 0.900	Lo -	15
BLAIRSTOWN	Benton	583 -	500 -	S -	0.028 -	0.027 0.370	CmBo -	16
BLOOMFIELD	Davis	2,771 -	2,400 -	S -	0.324 -	0.245 4.890	SeGmCmFtrFtmCpDehBo -	17
BODE	Humboldt	430 -	400 -	S -	0.035 -	0.035 0.400	CmFmBo -	18
BONAPARTE	Van Buren	574 -	400 -	S -	x -	- -	None -	19
BONDURANT	Polk	389 -	350 -	S -	0.030E -	0.050 0.486	Lo -	20
BOONE	Boone	12,468 -	12,000 -	S -	2.100 -	1.600 15.000	SeGmCmFtrCmVvXdpZil -	21
BOYDEN	Sioux	562 -	540 -	S -	0.030E -	x x	ClFmBo -	22
BRANDON	Buchanan	322 -	250 -	S -	0.030 -	x x	ClFmBo -	23
BREDA	Carroll	543 -	470 -	S -	0.060 -	0.025 0.500	ShClFmBo -	24
BRIGHTON	Washington	724 -	650 -	S -	0.040E -	x x	GhClFmBo -	25
BRITT	Hancock	2,042 -	1,700 -	S -	x -	0.100 2.000	SeCmFtrCmDehmrBo -	26
BROOKLYN	Poweshiek	1,415 -	1,200 -	S -	x -	0.133 1.560	CmFtrCpDepMmBo -	27
BUFFALO	Scott	1,088 -	900 -	S -	0.070E -	0.100 1.000	ClBo -	28
* BURLINGTON	Des Moines	32,430 -	31,000 -	S -	6.800 -	8.500 42.000	SeGahCmE DfhVvZilXdp -	29
BURT	Kossuth	620 -	500 -	S -	x -	0.027 0.450	CmFmBo -	30

INVENTORY OF MUNICIPAL WASTE FACILITIES

STATE	YEAR	PAGE
IOWA	1962	8 of 16

LINE NO.	COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	DRAINAGE BASIN Maj. Min.	DRAINAGE BASIN Sub.	WATER-COURSE MILEAGE	DISCHARGE TO	P.E. (BOD) UN-TREATED WASTE DIS-CHARGED WASTE	Pollution Abatement Needs	REMARKS
	9	10	10a	11	12	13	14	15
1	ATLANTIC	MR 12	- -	M560.8-12- 99.4	East Nishnabotna River	6,200 600	7 -	*May be operated either in parallel or in series.
2	AUDUBON	MR 12	- -	M560.8-12- 115-10	Blue Grass Creek to East Nishnabontna River	2,200 200	7 -	
3	AURELIA	MR 12	- -	M693.5-13- 77	Creek to Maple River	900 90	7 -	
4	AVOCA	MR 12	- -	M560.8-12- 83-4	East Branch of West Nishnabotna River	2,700 2.700	0 -	
5	BADGER	UM 11	- -	M1,325-230E -	Badger Creek to Des Moines River	300 300	7 -	
6	BAGLEY	UM 11	- -	M1,325-160E -20E	Mosquito Creek to Middle Raccoon River	250E 200E	4 -	
7	BANCROFT	UM 11	- -	M1,325-300E -	Mud Creek to Des Moines River	900 500E	2 -	
8	BATTLE CREEK	MR 12	- -	M693.5-13- 35	Maple River	550 550	0 -	
9	BAXTER	UM 11	- -	M1,360-145E -10E	Prairie Creek to Skunk River	600E 60E	7 -	
10	BEDFORD	MR 12	- -	M402.5-79- 82-13	East Fork of 102 River	4,000 400	7 -	
11	BELLE PLAINE	UM 10	- -	M1,399-120E -5E	Salt Creek to Iowa River	2,250 400	7 -	
12	BELLEVUE	UM 8	- -	M1,540 -	Mississippi River	1,900E 1.900E	0 -	
13	BELMOND	UM 10	- -	M1,399-125E -	Iowa River	1,900 200E	7 -	
14	BETTENDORF	UM 8	- -	M1,449E -	Mississippi River	- -	- -	
15	BIRMINGHAM	UM 11	- -	M1,325-65E -	Lick Creek to Des Moines River	300 40	7 -	
16	BLAIRSTOWN	UM 10	- -	M1,399-35- 65E-30E	Prairie Creek to Cedar River	500E 400E	4 -	
17	BLOOMFIELD	UM 11	- -	M1,317.6 -70E	Creek to Fox River	3,000E 300E	7 -	
18	BODE	UM 11	- -	M1,325-170E -x-x	Truiner Creek to Lotts Creek	700 350E	2 -	
19	BONAPARTE	UM 11	- -	M1,325-35E -	Des Moines River	1,100E 1.100E	0 -	
20	BONDURANT	UM 11	- -	M1,325-160E -	Ditch to Mud Creek to Des Moines River	350 30	7 -	
21	BOONE	UM 11	- -	M1,325-195E -x-x	Honey Creek to Des Moines River	12,000 1.200	7 -	
22	BOYDEN	MR 12	- -	M758.3-23- 38	Creek to West Branch of Floyd River	1,725E 1,500E	4 -	
23	BRANDON	UM 10	- -	M1,399-35 -110E-x-x	Lime Creek to Cedar River	250E 100E	5 -	
24	BREDA	UM 11	- -	x -	Creek to Black Hawk Lake	500E 100E	7 -	
25	BRIGHTON	UM 11	- -	M1,360-75E -x-x	Walnut Creek to Skunk River	650E 150E	2 -	
26	BRITT	UM 10	- -	M1,399-260E -x-x	Otter Creek to Boone River	2,300E 250E	7 -	
27	BROOKLYN	UM 10	- -	M1,399-95E -20E	Little Bear Creek	1,900E 600E	5 -	
28	BUFFALO	UM 8	- -	M1,437 -	Mississippi River	900 600	7 -	
29	* BURLINGTON	UM 11	- -	M1,367 -	Mississippi River	35,000E 20.000E	7 -	
30	BURT	UM 11	- -	M1,325-185E -	Blackcat Creek to East Fork Des Moines River	500E 150E	3 -	

INVENTORY OF MUNICIPAL WASTE FACILITIES

STATE IOWA | YEAR 1962 | PAGE 3 of 16

COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	COUNTY	1960 Population	Estimated Population Served	TYPE SEWER SYSTEM	AVERAGE DAILY FLOW MGD	TREATMENT FACILITIES Des'd For Average Daily Flow MGD P.E. (1000's)	TREATMENT	LINE NO.
1	2	3	4	5	6	7	8	
BUSSEY	Marion	557 -	450 -	S -	x -	- -	None -	1
CALMAR Southeast Plant	Winneshiek	954 -	350 -	S -	0.018E -	0.208 2.190	ShGhCaFtrCpDfhBo -	2
CALMAR Southwest Plant	Winneshiek	- -	535 -	S -	0.027E -	x x	SmCaFsBo -	3
CAMANCHE	Clinton	2,225 -	2,200 -	S -	x -	- -	None -	4
CARLISLE	Warren	1,317 -	1,100 -	S -	x -	0.048 0.800	ClFtrCpBo -	5
CARROLL	Carroll	7,682 -	7,200 -	S -	0.500E -	0.726 9.322	SchEmCaFthCaFsDchHoBo -	6
CARSON	Pottawattamie	583 -	400 -	S -	x -	- -	None -	7
CARTER LAKE	Pottawattamie	2,287 -	2,000 -	S -	x -	- -	None -	8
CASCADE	Dubuque	1,601 -	1,500 -	S -	x -	0.140 3.400	ShClFtrCmBo -	9
CEDAR FALLS Cedar Heights Plant	Black Hawk	21,195 -	500 -	S -	0.040 -	0.080 0.900	S ClFtrCpBo -	10
CEDAR FALLS Main Plant	Black Hawk	- -	20,000 -	S -	2.500 -	2.000 20.000	ScGhmCaFtrDfhrHoBo -	11
* CEDAR RAPIDS	Linn	92,035 -	90,000 -	S -	13.030 -	16.100 395.20	SmGmOsCmFoCaFtrCm T DsfhLs	12
CENTERVILLE Northeast Plant	Appanoose	6,629 -	4,500 -	S -	0.300E -	x x	S GhClFtnFsBo -	13
CENTERVILLE West Plant	Appanoose	- -	2,000 -	S -	x -	0.269 3.500	S GhClFtnHo -	14
CENTRAL CITY	Linn	1,087 -	950 -	S -	x -	0.187 1.980	ShClFthrCpBo -	15
CHARITON	Lucas	5,042 -	4,800 -	S -	0.358 -	0.675 6.420	ShGhCaFtrCaDfpIp -	16
CHARLES CITY	Floyd	9.964 -	8,250 -	CS -	1.600 -	x x	ShGhClFtnBo -	17
CHARTER OAK	Crawford	665 -	550 -	S -	0.026E -	x x	CaFsBo -	18
CHEROKEE	Cherokee	7,724 -	7,700 -	S -	1.000E -	0.525 7.200	ScCaF" CaD[illegible]Bo -	19
CHURDAN	Greene	586 -	480 -	S -	x -	x x	CaFsBo -	20
CLARENCE	Cedar	859 -	950 -	x -	x -	0.120 1.200	C FtC -	21
CLARINDA	Page	5,901 -	6,550 -	S -	x -	0.623 9.100	ScCaFtrCaDfhrBo -	22
CLARION	Wright	3,232 -	2,930 -	S -	x -	0.145 3.000	ShCaFtrCpDchrBo -	23
CLARKSVILLE	Butler	1,328 -	1,300 -	S -	0.060 -	x x	GhCaBo -	24
* CLEAR LAKE S. D.	Cerro Gordo	- -	12,000 -	S -	x -	1.630 16.000	SgGmCaFtrCaDfhptBo -	25
CLINTON	Clinton	33,589 -	30,000 -	SC -	x -	- -	None -	26
COGGON	Linn	672 -	620 -	S -	0.104 -	0.144 9.900	ShCaFtrhCaFtrhCaDfhpotBo -	27
COLFAX	Jasper	2,331 -	2,100 -	S -	x -	0.243 3.600	ShClFtrCpBo -	28
COLUMBUS JUNCTION	Louisa	1,016 -	600 -	S -	x -	- -	None -	29
CONRAD	Grundy	799 -	700 -	S -	x -	0.117 1.650	ScGhCaFthrCpBo -	30

INVENTORY OF MUNICIPAL WASTE FACILITIES

						STATE IOWA	YEAR 1962	PAGE 3 of 16

LINE NO.	COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	DRAINAGE BASIN Maj. Min.	DRAINAGE BASIN Sub.	WATER-COURSE MILEAGE	DISCHARGE TO	P.E. (BOD) UN-TREATED WASTE DIS-CHARGED WASTE	Pollution Abatement Needs	REMARKS
	9	10	10a	11	12	13	14	15
1	BUSSEY	UM 11	- -	M1,325-110E -15E	Cedar Creek	450E 450E	0 -	
2	CALMAR Southeast Plant	UM 8	- -	M1,572-x-x -	Creek to Turkey River	1,000E 100E	7 -	
3	CALMAR Southwest Plant	UM 8	- -	M1,572-65E -	Creek to Turkey River	535E 100E	4 -	
4	CAMANCHE	UM 8	- -	M1,496 -	Mississippi River	2,200E 2,200E	0 -	
5	CARLISLE	UM 11	- -	M1,325-165E -x-x	North River to Des Moines River	1,200E 600E	1 -	
6	CARROLL	UM 11	- -	M1,325-165E -85E	Creek to Middle Fork Raccoon River	7,200E 1,000E	7 -	
7	CARSON	MR 12	- -	M560.8-12- 64	West Nishnabotna River	400 400	0 -	
8	CARTER LAKE	MR 12	- -	M633 -	Missouri River	2,000E 2,000E	0 -	
9	CASCADE	UM 8	- -	M1,512.6 -25E-45E	North Branch of Maquoketa River	1,800E 700E	7 -	
10	CEDAR FALLS Cedar Heights Plant	UM 10	- -	M1,399-35 -150E	Cedar River	1,000E 100E	7 -	
11	CEDAR FALLS Main Plant	UM 10	- -	M1,399-35 -150E	Cedar River	24,000E 5,000E	1 -	
12	* CEDAR RAPIDS	UM 10	- -	M1,399-35 -75E	Cedar River	350,000E 30,000E	7 -	
13	CENTERVILLE Northeast Plant	MR 13	- -	C195.8 -	Dry Creek to Chariton River	5,000E 1,000E	2 -	
14	CENTERVILLE West Plant	MR 13	- -	C195.8 -	Manson Branch to Chariton River	2,000E 500E	2 -	
15	CENTRAL CITY	UM 8	- -	M1,470.8 -80E	Wapsipinicon River	950E 100E	7 -	
16	CHARITON	MR 13	- -	C249.4 -	Chariton River	x x	7 -	
17	CHARLES CITY	UM 10	- -	M1,399-35 -175E	Cedar River	15,000 5,000E	2 -	
18	CHARTER OAK	MR 12	- -	M687.7-41- 8	East Fork of Soldier River	550 300	4 -	
19	CHEROKEE	MR 12	- -	M693.5-144 -	Little Sioux River	9,200E 1,300E	7 -	*Concentric. Can be used as Ftr or Fth
20	CHURDAN	UM 11	- -	M1,325-165 -x-x	Hardin Creek to Raccoon River	480 40E	7 -	
21	CLARENCE	UM 8	- -	x -	Mill Creek	[illegible] [illegible]	x -	
22	CLARINDA	MR 12	- -	M490.9- 102.3	Nodaway River	7,100 800E	7 -	
23	CLARION	UM 12	- -	M1,325-225E -x-x	White Fox Creek to Boone River	2,930E 750E	7 -	
24	CLARKSVILLE	UM 10	- -	M1,399-33- 35E	Shellrock River	1,200E 900E	4 -	
25	* CLEAR LAKE S. D.	UM 10	- -	M1,399-35 -x-x	Beaver Dam Creek to Cedar River	x x	7 -	
26	CLINTON	UM 8	- -	M1,501 -	Mississippi River	x x	0 -	
27	COGGON	UM 8	- -	M1,470.8 -65E-30E	Buff[illegible]o Creek	9,000E 900E	7 -	
28	COLFAX	UM 11	- -	M1,360-140E -	Sk[illegible] River	2,100E 200E	7 -	
29	COLUMBUS JUNCTION	UM 10	- -	M1,399-40E -	Short Creek to Iowa River	700E 700E	0 -	
30	CONRAD	UM 10	- -	M1,399-35- 110E-50E	Wolf Creek	1,200E 300E	7 -	

INVENTORY OF MUNICIPAL WASTE FACILITIES

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	COUNTY	1960 Population	Estimated Population Served	TYPE SEWER SYSTEM	AVERAGE DAILY FLOW MGD	Des'd For Average Daily Flow MGD P.E. (1000's)	TREATMENT FACILITIES TREATMENT	LINE NO.
1	2	3	4	5	6	7	8	
COON RAPIDS	Carroll	1,560 -	1,400 -	S -	x -	0.055 6.000	KaxCmFtrCmDfhrBo -	1
CORALVILLE	Johnson	2,357 -	(2,200) -	x -	- -	- -	See Iowa City -	2
CORNING	Adams	2,041 -	1,800 -	S -	x -	x 2.200	ShCmFtrCpDchrBo -	3
CORRECTIONVILLE	Woodbury	912 -	900 -	S -	0.060E -	x x	ClBo -	4
CORWITH	Hancock	488 -	400 -	S -	x -	x x	ClFsBo -	5
CORYDON East Outfall	Wayne	1,687 -	60 -	S -	x -	- -	None -	6
CORYDON North Plant	Wayne	- -	920 -	S -	x -	x x	Cs -	7
CORYDON South Plant	Wayne	- -	500 -	S -	x -	x x	Cs -	8
CORYDON West Plant	Wayne	- -	50 -	S -	x -	x x	Cs -	9
COUNCIL BLUFFS	Pottawattamie	55,641 -	54,000 -	CS -	x -	- -	None -	10
CRESCO	Howard	3,809 -	3,500 -	S -	x -	x 4.500	SchGmKmCmFtrCmDfhrotBo -	11
CRESTON	Union	7,667 -	7,500 -	S -	0.612 -	x x	ShCmFtrCmDcmrhBo -	12
CUSHING	Woodbury	261 -	220 -	S -	0.020 -	x x	CsFsBo -	13
DAKOTA CITY	Humboldt	706 -	630 -	S -	x -	0.100 1.000	ShClFtrCpBo -	14
DALLAS CENTER	Dallas	1,083 -	900 -	S -	x -	0.045 0.900	ShClFtrCpBo -	15
DANBURY	Woodbury	510 -	500 -	S -	x -	- -	None -	16
DANVILLE	Des Moines	579 -	500 -	S -	0.035E -	0.060 1.200	ShClFtrCpFsEcgBo -	17
* DAVENPORT	Scott	88,981 -	80,000 -	C -	12.00E -	16.000 109.00	ScGmCmDfhesLs -	18
DAYTON	Webster	820 -	750 -	S -	x -	0.100 0.970	ShClFtrCpBo -	19
DECORAH	Winneshiek	6,435 -	6,000 -	S -	0.518E -	0.242 5.500	ScGhCmFtrCpDcmrhBo -	20
DENISON	Crawford	4,930 -	4,500 -	S -	x -	- -	None -	21
DENVER	Bremer	831 -	800 -	S -	x -	x x	Cs -	22
* DES MOINES	Polk	208,982 -	208,000 -	SC -	16.450 -	30.000 220.00	SmGmOaKsCmFtrCm DfrhsLsBo	23
DES MOINES Highland Hills	Polk	2,600 -	x -	S -	x -	0.180 2.600	ShCpFtrCpDgpBo -	24
DE WITT	Clinton	3,224 -	3,000 -	S -	x -	0.143 3.700	SmCmFthCmFsDfrhBo -	25
DEXTER	Dallas	670 -	400 -	S -	x -	x x	ShCsFsBsLs -	26
DIKE	Grundy	630 -	600 -	S -	x -	0.080 0.800	(CpDcp)FtrCpBo -	27
DONNELLSON	Lee	709 -	600 -	S -	0.025E -	0.072 0.770	ShGbClFtrCpBo -	28
DOON	Lyon	436 -	400 -	S -	0.020E -	x x	ClBo -	29
DOW CITY	Crawford	531 -	400 -	S -	x -	- -	None -	30

INVENTORY OF MUNICIPAL WASTE FACILITIES

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LINE NO.	COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	DRAINAGE BASIN Maj. Min.	DRAINAGE BASIN Sub.	WATER-COURSE MILEAGE	DISCHARGE TO	P.E. (BOD) UN-TREATED WASTE DIS-CHARGED WASTE	Pollution Abatement Needs	REMARKS
	9	10	10a	11	12	13	14	15
1	COON RAPIDS	UM 11	- -	M1,325-145E -	Middle Fork of Raccoon River	x 250E	7 -	
2	CORALVILLE	UM 10	- -	- -	Iowa River	- -	- -	
3	CORNING	MR 12	- -	M480.9-92- 44	East Nodaway River	1,800 300E	7 -	
4	CORRECTIONVILLE	MR 10	- -	M693.5-106 -	Little Sioux River	1,000E 700E	2 -	
5	CORWITH	UM 11	- -	M1,325-185E -x-x	Boone River	x 120E	1A 5	
6	CORYDON East Outfall	MR 13	- -	C223-15-10 -	Branch of South Chariton River	60E 60E	0 -	
7	CORYDON North Plant	MR 13	- -	C223-15-10 -	Branch of South Chariton River	920E 600E	4 -	
8	CORYDON South Plant	MR 13	- -	C223-15-10 -	Branch of South Chariton River	500E 400E	4 -	
9	CORYDON West Plant	MR 13	- -	C223-15-10 -	Branch of South Chariton River	50E 50E	4 -	
10	COUNCIL BLUFFS	MR 12	- -	M632 -	Missouri River	60,000E 60,000E	0 -	
11	CRESCO	UM 6	- -	M1,399-225E -	Creek to Upper Iowa River	4,000E 400E	7 -	
12	CRESTON	MR 12	- -	M402.5- 243.6	Creek to West Platte River	7,500E 1,000E	7 -	
13	CUSHING	MR 12	- -	M693.5- 105-8	Bacon Creek	220E 50E	7 -	
14	DAKOTA CITY	UM 11	- -	M1,325-250E -	East Fork Des Moines River	630E 60E	7 -	
15	DALLAS CENTER	UM 11	- -	M1,325-160E -x-x	Walnut Creek to Raccoon River	900E 100E	5 -	
16	DANBURY	MR 12	- -	MR603.5-20E -30E	Maple River	500 500	0 -	
17	DANVILLE	UM 11	- -	x-x -	Long Creek	600E 60E	7 -	
18	* DAVENPORT	UM 8	- -	M1,465 -	Mississippi River	90,000E 60,000E	7 -	
19	DAYTON	UM 11	- -	M1,325-210E -	Skillett Creek to Des Moines River	750E 100E	7 -	
20	DECORAH	UM 6	- -	M1,627.6 -45E	Upper Iowa River	6,500E 1,500E	1 -	
21	DENISON	MR 12	- -	MR651.0-65E -	Boyer River	4,500E 4,500E	0 -	
22	DENVER	UM 10	- -	M1,399-35- 145E-x-x	Creek to Cedar River	800E 400E	4 -	
23	* DES MOINES	UM 11	- -	M1,325-168E -	Des Moines River	450,000 112,000	1 -	
24	DES MOINES Highland Hills	UM 11	- -	M1,325-169E -x-x	Tributary of Middle River	x x	7 -	
25	DE WITT	UM 8	- -	M1,470.8 -20E	Silver Creek to Wapsipinicon River	3,600E 500E	7 -	
26	DEXTER	UM 11	- -	M1,325-145E -35E-x-x	Jim Creek to North River	x 200E	5 -	
27	DIKE	UM 10	- -	M1,399-35 -145E-x-x	North Blackhawk Creek	600E 60E	7 -	
28	DONNELLSON	UM 11	- -	DM6-22-3 -	Dry Creek to Sugar Creek	600E 60E	7 -	
29	DOON	MR 7	- -	BS84.7-30.3 -	Little Rock River	400 300	2 -	
30	DOW CITY	MR 12	- -	M651-68 -	Boyer River	400 400	0 -	

INVENTORY OF MUNICIPAL WASTE FACILITIES

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	COUNTY	1960 Population	Estimated Population Served	TYPE SEWER SYSTEM	AVERAGE DAILY FLOW MGD	TREATMENT FACILITIES		LINE NO.
						Des'n For Average Daily Flow MGD P.E. (1000's)	TREATMENT	
1	2	3	4	5	6	7	8	
DOWS	Wright	892 -	800 -	S -	0.100 -	0.128 1.300	Sm(ClDp)FtrBo -	1
DUBUQUE	Dubuque	56,606 -	56,000 -	S -	x -	13.000 400.80	SchGmCmBoFvElIp -	2
DUMONT	Butler	719 -	600 -	S -	x -	x x	ClFtrBo -	3
DUNKERTON	Black Hawk	307 -	400 -	x -	x -	- -	None -	4
DUNLAP	Harrison	1,254 -	1,200 -	S -	x -	- -	None -	5
DURANT	Cedar	1,266 -	1,200 -	S -	0.200 -	0.271 3.536	ShGmCmFtrhCmDfhBo -	6
DYERSVILLE	Dubuque	2,818 -	2,500 -	S -	x -	0.162 2.700	ScClFtrCpBo -	7
DYSART	Tama	1,197 -	900 -	S -	x -	0.079 1.175	ScClFtrCpBo -	8
EAGLE GROVE	Wright	4,381 -	4,000 -	SC -	x -	0.304 6.240	ScCmFthrCmDfhtrBo -	9
EARLHAM	Madison	788 -	700 -	S -	x -	0.040 0.800	ClFtmBo -	10
EARLVILLE	Delaware	668 -	600 -	S -	x -	0.037 1.000	ShClFtrCpBo -	11
EARLY	Sac	826 -	700 -	S -	x -	x x	CmFmBo -	12
ELDON	Wapello	1,386 -	800 -	C -	x -	- -	None -	13
ELDORA	Hardin	3,225 -	2,900 -	C -	x -	0.163 3.125	ScGhCmFtrCpDorhBo -	14
ELGIN	Fayette	644 -	600 -	S -	x -	0.093 0.900	ClFtrCpBo -	15
ELKADER	Clayton	1,526 -	1,425 -	S -	0.085 -	- -	None -	16
ELKHART	Polk	260 -	200 -	S -	x -	0.031 0.312	Lo -	17
ELK HORN	Shelby	678 -	600 -	S -	x -	0.083 0.833	Lo -	18
ELLIOT	Montgomery	439 -	450 -	S -	x -	- -	None -	19
ELLSWORTH	Hamilton	493 -	300 -	x -	x -	- -	None -	20
ELMA	Howard	706 -	650 -	S -	x -	x x	CmFmBo -	21
EMERSON	Mills	521 -	540 -	S -	x -	0.310 0.515	ShClFtrCpBo -	22
EMMETSBURG	Palto Alto	3,887 -	3,700 -	S -	0.200E -	0.266 2.620	SchCmFtrCpDfrhBo -	23
ESSEX	Page	767 -	650 -	S -	x -	- -	None -	24
ESTHERVILLE	Emmet	7,927 -	7,500 -	S -	2.000 -	2.9[illegible]0 82.920	(SfOmKs)SmGmKsCmFthr CmFtrCmDfhLs	25
EVERLY	Clay	668 -	600 -	S -	0.030 -	x x	ClBoLs -	26
EXIRA	Audubon	1,111 -	800 -	S -	0.075 -	- -	None -	27
FAIRFIELD	Jefferson	8,054 -	7,300 -	S -	0.700E -	0.484 8.625	ShCmFtrCpDfrhBo -	28
FARLEY	Dubuque	920 -	850 -	S -	0.050E -	x x	CmFmBo -	29
FARMINGTON	Van Buren	902 -	800 -	x -	x -	- -	None -	30

INVENTORY OF MUNICIPAL WASTE FACILITIES

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LINE NO.	COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	DRAINAGE BASIN Maj. Min.	DRAINAGE BASIN Sub	WATER-COURSE MILEAGE	DISCHARGE TO	P.E. (BOD) UN-TREATED WASTE DIS-CHARGED WASTE	Pollution Abatement Needs	REMARKS
	9	10	10a	11	12	13	14	15
1	DOWS	UM 10	- -	M1,399-195E -	Iowa River	800E 100E	7 -	
2	DUBUQUE	UM 8	- -	M1,563 -	Mississippi River	350,000E 250,000E	7 -	
3	DUMONT	UM 10	- -	M1,399-35- 175E	Spring Creek to West Fork Cedar River	x 150E	1 -	
4	DUNKERTON	UM 8	- -	M1,470.8- 110E	Crane Creek to Wapsipinicon River	600E 600E	0 -	
5	DUNLAP	MR 12	- -	MR6510.0- 45E	Boyer River	1,200 1,200	0 -	
6	DURANT	UM 10	- -	x-x -	Mud Creek	3,000E 300E	7 -	
7	DYERSVILLE	UM 8	- -	M1,512.6 -35E-x-x	North Fork of Maquoketa River	3,000E 400E	7 -	
8	DYSART	UM 10	- -	M1,399-115E -x-x	Salt Creek to Iowa River	900E 300E	1 -	
9	EAGLE GROVE	UM 11	- -	M1,325-225E -x-x	Drainage Ditch to Boone River	6,000E 600E	7 -	
10	EARLHAM	UM 11	- -	M1,325-160E -x-x	Bear Creek to Middle Raccoon River	700E 300E	5 -	
11	EARLVILLE	UM 8	- -	M1,512.6 -85E	Maquoketa River	720E 150E	7 -	
12	EARLY	MR 12	- -	M651-125 -	Boyer River	700E 400E	4 -	
13	ELDON	UM 11	- -	M1,325-60E -	Des Moines River	800E 800E	0 -	
14	ELDORA	UM 10	- -	M1,399-160E -	Iowa River	x 400E	7 -	
15	ELGIN	UM 8	- -	M1,572-50E -	Turkey River	700E 70E	7 -	
16	ELKADER	UM 8	- -	M1,572-35E -	Turkey River	1,425E 1,425E	0 -	
17	ELKHART	UM 11	- -	M1,360-x-x -	Ditch to Skunk River	200E 20E	7 -	
18	ELK HORN	MR 12	- -	MR560.8-90E -	Elkhorn Creek to East Nishnabotna River	700E 70E	x -	
19	ELLIOT	MR 12	- -	M560.8-12- 68	East Nishnabotna River	450 450	0 -	
20	ELLSWORTH	UM 11	- -	M1,360-200E -	Skunk River	300 300	0 -	
21	ELMA	UM 8	- -	M1,470.8- 155E-x-x	Middle Branch of Wapsipinicon River	x 200E	7 -	
22	EMERSON	MR 12	- -	MR560.8-50E -x-x	Indian Creek to West Nishnabotna River	450 100	7 -	
23	EMMETSBURG	UM 11	- -	M1,325-265E -50E	West Fork of Des Moines River	4,500E 750E	7 -	
24	ESSEX	MR 12	- -	M560.8-12- 34	East Nishnabotna River	650 650	0 -	
25	ESTHERVILLE	UM 11	- -	M1,325-265E -x-x	West Fork of Des Moines River	80,000E 8,000E	7 -	
26	EVERLY	MR 12	- -	M693.5-227- 34-12	Creek to Ocheyedan River	700E 350E	2 -	
27	EXIRA	MR 12	- -	M560.8-12- 114	Davis Creek to East Nishnabotna River	1,350E 1,350E	4 -	
28	FAIRFIELD	UM 11	- -	M1,390-50E -30E	Crow Creek to Skunk River	8,000E 3,000E	5 -	
29	FARLEY	UM 8	- -	M1,550.8 -x-x	Kidders Creek to Left Maquoketa River	900E 300E	4 -	
30	FARMINGTON	UM 11	- -	M1,325-25E -	Des Moines River	1,000E 1,000E	0 -	

INVENTORY OF MUNICIPAL WASTE FACILITIES

STATE IOWA

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	COUNTY	1960 Population	Estimated Population Served	TYPE SEWER SYSTEM	AVERAGE DAILY FLOW MGD	Des'd For Average Daily Flow MGD / P.E. (1000's)	TREATMENT FACILITIES: TREATMENT	LINE NO.
1	2	3	4	5	6	7	8	
FARRAGUT	Fremont	495 -	350 -	S -	x -	- -	None -	1
FAYETTE	Fayette	1,597 -	1,300 -	S -	0.062 -	0.150 2.300	SchKmCmFtrCpDopBo -	2
FONDA	Pocahontas	1,026 -	900 -	S -	0.040E -	0.111 1.387	ShClFtrCpDfp -	3
FONTANELLE	Adair	729 -	650 -	S -	x -	0.054 0.900	Lo	4
FOREST CITY	Winnebago	2,930 -	2,700 -	S -	x -	0.130 2.600	ShCmFtnDorhBo -	5
FORT DODGE	Webster	28,399 -	27,000 -	S -	2.400 -	3.700 36.300	SmGmOmKmrCmFtrCmEogDefstBo -	6
FORT MADISON	Lee	15,247 -	14,500 -	C -	x -	- -	None -	7
FREDERICKSBURG	Chickasaw	797 -	700 -	S -	x -	x x	ClBo -	8
GALVA	Ida	469 -	300 -	S -	x -	0.045 0.600	ClFtrCpBo -	9
GARNAVILLO	Clayton	662 -	600 -	S -	x -	x 1.930	CmFtrDfBo -	10
GARNER	Hancock	1,990 -	1,800 -	S -	x -	x 3.440	KmCmFthCmDfrhBo -	11
GARWIN	Tama	546 -	450 -	S -	x -	0.018 0.566	CmFmBo -	12
GEORGE	Lyon	1,200 -	1,000 -	S -	x -	x x	CmFmBo -	13
GILMORE CITY	Pocahontas	688 -	650 -	S -	x -	0.100 1.000	Lo -	14
GLADBROOK	Tama	949 -	850 -	S -	x -	- -	None -	15
GLENWOOD	Mills	4,783 -	3,000 -	S -	x -	- -	None -	16
GLIDDEN	Carroll	993 -	800 -	S -	0.102 -	0.124 2.100	[Cl][O]" FtrCpFs -	17
GOWRIE	Webster	1,127 -	1,000 -	S -	x -	0.184 2.000	ShCmFtrCpDp -	18
GRAETTINGER	Palo Alto	879 -	600 -	S -	x -	- -	None -	19
GRAND JUNCTION	Greene	949 -	900 -	S -	0.160E -	0.012 1.100	SchClFtrCpBo -	20
GRAND MOUND	Clinton	565 -	500 -	S -	x -	x x	CmFmBo -	21
GRANGER	Dallas	468 -	400 -	S -	x -	0.057 0.890	Lo -	22
GRANVILLE	Sioux	381 -	300 -	S -	x -	x x	ClFmBo -	23
GREENE	Butler	1,427 -	1,200 -	S -	x -	0.171 2.008	ClFtrhCmBo -	24
GREENFIELD	Adair	2,243 -	2,000 -	S -	x -	x x	ShClFtrBo -	25
GRIMES	Polk	697 -	600 -	S -	x -	0.080 0.800	Sh(CpDop)* FtrCpBo -	26
GRINNELL	Poweshiek	7,367 -	7,000 -	S -	0.780 -	0.550 11.000	Gm[Sm][Sch](GmKm)CmFtrCm DfhrBo	27
GRISWOLD	Cass	1,207 -	1,000 -	S -	x -	0.118 1.420	ShClFtrCpBo -	28
GRUNDY CENTER	Grundy	2,403 -	2,200 -	S -	x -	0.181 2.500	ShCmFtrCmDfhrBo -	29
GUTHRIE CENTER	Guthrie	2,071 -	2,100 -	S -	x -	0.116 2.400	SchCmFtrCmDorhBoLo -	30

INVENTORY OF MUNICIPAL WASTE FACILITIES

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LINE NO.	COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION 9	DRAINAGE BASIN Maj. Min. 10	DRAINAGE BASIN Sub. 10a	WATER-COURSE MILEAGE 11	DISCHARGE TO 12	P.E. (BOD) UN-TREATED WASTE / DIS-CHARGED WASTE 13	Pollution Abatement Needs 14	REMARKS 15
1	FARRAGUT	MR 12	- -	MR560.8-25E -15E	East Nishnabotna River	350 350	0 -	
2	FAYETTE	UM 8	- -	M1,572-15E -25E	Volga River	1,300 x	7 -	
3	FONDA	UM 11	- -	M1325-160E- 25-100E-x-x	Ditch to Cedar Creek	1,200E 900E	7 -	
4	FONTANELLE	MR 12	- -	480.9-65E -60E	Ditch to Middle Nodaway River	650E 60E	7 -	
5	FOREST CITY	UM 10	- -	x-x -	Lime Creek	4,000E 1.500E	1 -	
6	FORT DODGE	UM 11	- -	M1,325-255E -	Des Moines River	90,000 12.000	1 -	
7	FORT MADISON	UM 11	- -	M1,365 -	Mississippi River	150,000 150.000	0 -	
8	FREDERICKSBURG	UM 8	- -	M1,470.8- 145E-x-x	East Branch of Wapsipinicon River	x 560E	4 -	
9	GALVA	MR 12	- -	M693.5-13- 56-3	Creek to Maple River	300 80	7 -	
10	GARNAVILLO	UM 8	- -	M1,572-x-x -	Creek to Turkey River	x x	2 -	
11	GARNER	UM 10	- -	M1,399-195E -20E	East Branch of Iowa River	x 500E	7 -	
12	GARWIN	UM 10	- -	M1,399-120E -15E	Deer Creek to Iowa River	x 150E	4 -	
13	GEORGE	MR 7	- -	MR762.3-55E -25E-40E	Little Rock River	1,000E 600E	4 -	
14	GILMORE CITY	UM 11	- -	M1,325-255E -x-x	Lizard Creek to Des Moines River	650E 60E	7 -	
15	GLADBROOK	UM 10	- -	M1,399-35 -75E-x-x	Wolf Creek to Cedar River	900E 900E	0 -	
16	GLENWOOD	MR 12	- -	M604.5-11 -	Keg Creek	3,000E 3.000E	0 -	
17	GLIDDEN	UM 11	- -	M1,325-160E -x-x	Willow Creek to Middle Raccoon River	800E x	7 -	*Creamery waste.
18	GOWRIE	UM 11	- -	x-x -	Capstan Ditch to Butterick Creek	2,000E 200E	7 -	
19	GRAETTINGER	UM 11	- -	M1,325-300E -	West Fork of Des Moines River	1,200E 1.200E	0 -	
20	GRAND JUNCTION	UM 11	- -	x-x -	Butterick Creek	900E x	7 -	
21	GRAND MOUND	UM 8	- -	M1,470.8- 20E	Ditch to Wapsipinicon River	500E 150E	4 -	
22	GRANGER	UM 11	- -	M1,325-160E -15E	Beaver Creek to Des Moines River	800E 80E	7 -	
23	GRANVILLE	MR 12	- -	M758.3- 32.9-4-19	Willow Creek	300E x	7 -	
24	GREENE	UM 10	- -	M1,399-35 -155E-x-x	Shellrock River to Cedar River	1,900E 200E	7 -	
25	GREENFIELD	MR 13	- -	G64-140 -	Nine Mile Creek	2,300 500E	7 -	
26	GRIMES	UM 11	- -	M1,325-170E -x-x	Beaver Creek to Des Moines River	600E 60E	7 -	*Spirogester.
27	GRINNELL	UM 10	- -	M1,360-75E -x-x	Sugar Creek to North Skunk River	7,[illegible]00E 720E	7 -	
28	GRISWOLD	MR 12	- -	MR560.8-20E -55E	Kewen Creek to East Nishnabotna River	1,000E 100E	7 -	
29	GRUNDY CENTER	UM 10	- -	M1,399-35- 135E-30E	Blackhawk Creek	2,200E x	7 -	
30	GUTHRIE CENTER	UM 11	- -	M1,325-160E -25E-45E	South Raccoon River	x 400E	7 -	

INVENTORY OF MUNICIPAL WASTE FACILITIES

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	COUNTY	1960 Population	Estimated Population Served	TYPE SEWER SYSTEM	AVERAGE DAILY FLOW MGD	TREATMENT FACILITIES Des'd For Average Daily Flow MGD P.E. (1000's)	TREATMENT FACILITIES TREATMENT	LINE NO.
1	2	3	4	5	6	7	8	
GUTTENBERG	Clayton	2,087 -	1,700 -	S -	0.115E -	- -	None -	1
HAMBURG	Fremont	1,647 -	1,000 -	S -	x -	- -	None -	2
HAMPTON	Franklin	4,501 -	4,000 -	S -	x -	0.590 9.560	G KmCmFtrCmDfhBo -	3
HANCOCK	Pottawattamie	252 -	220 -	S -	x -	0.018 0.300	ClBo -	4
HARLAN	Shelby	4,350 -	4,000 -	S -	x -	0.328 4.900	ScKsCmFthCpDfrhmBo -	5
HARRIS	Osceola	258 -	230 -	S -	0.010 -	x x	ClFsBo -	6
HARTLEY	O'Brien	1,738 -	1,600 -	S -	0.138 -	0.193 3.800	ScKmCmFthCpDfrhBo -	7
HAWARDEN	Sioux	2,544 -	2,500 -	S -	x -	- -	None -	8
HAWKEYE	Fayette	516 -	450 -	S -	x -	0.079 2.239	SmCmFtrCpDoBo -	9
HIAWATHA	Linn	1,336 -	1,300 -	S -	x -	0.105 1.050	Lo -	10
HINTON	Plymouth	403 -	300 -	S -	x -	- -	None -	11
HOLSTEIN	Ida	1,413 -	1,400 -	S -	0.075E -	0.050 1.300	ClFtrBo -	12
HOMESTEAD S. D.	Iowa	- -	200 -	S -	x -	0.034 0.336	Lo -	13
HOPKINTON	Delaware	768 -	750 -	x -	x -	x 0.951	ClFtC -	14
HOSPERS	Sioux	600 -	500 -	S -	x -	x x	CsBo -	15
HUDSON	Black Hawk	1,085 -	900 -	S -	x -	0.082 2.184	ShCpCmFt[illegible]mDfpBo -	16
HULL	Sioux	1,289 -	1,100 -	S -	0.024 -	0.141 3.000	ShCmFtrCpDfhrBo -	17
HUMBOLDT	Humboldt	4,031 -	3,500 -	S -	x -	0.170 2.625	ScGhClFtrCpBo -	18
HUMESTON	Wayne	638 -	500 -	S -	x -	0.045 0.900	GhClFtmBo -	19
HUXLEY	Story	486 -	400 -	S -	x -	0.068 0.860	ShClFtrCpBo -	20
IDA GROVE	Ida	2,265 -	2,200 -	S -	0.200 -	0.150 2.500	ShGhCmFtrCmDchmBo -	21
INDEPENDENCE	Buchanan	5,498 -	5,000 -	S -	0.300 -	0.610 8.120	SmKmCmFtrCmEgDfrhHoBo -	22
INDIANOLA	Warren	7,062 -	6,500 -	S -	x -	0.315 6.300	SgCmFtrDfhBo -	23
INWOOD	Lyon	638 -	600 -	S -	0.030 -	x x	ClFsBo -	24
* IOWA CITY	Johnson	33,443 -	33,000 -	S -	3.250 -	3.550 28.500	SmGmCmFtrCmDfrhtBoLo -	25
IOWA FALLS	Hardin	5,565 -	5,000 -	S -	x -	0.775 8.562	ScGmwCmFtrCmDfhrtBo -	26
* IOWA Great Lakes S. D.	Dickinson	- -	4,000 -	S -	x -	S0.007 S0.030	SmG CmFtrCmDfhmBo -	27
IRETON	Sioux	510 -	800 -	x -	x -	0.030 1.070	ClFtC -	28
IRWIN	Shelby	425 -	400 -	S -	x -	0.045 0.450	Lo -	29
JANESVILLE	Bremer	648 -	580 -	S -	x -	0.023 x	ClFtmCpBo -	30

INVENTORY OF MUNICIPAL WASTE FACILITIES

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LINE NO.	COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION 9	DRAINAGE BASIN Maj. Min. 10	DRAINAGE BASIN Sub. 10a	WATER-COURSE MILEAGE 11	DISCHARGE TO 12	P.E. (BOD) UN-TREATED WASTE DIS-CHARGED WASTE 13	Pollution Abatement Needs 14	REMARKS 15
1	GUTTENBERG	UM 8	- -	M1,599 -	Miners Creek	1,700E 1,700E	0 -	
2	HAMBURG	MR 12	- -	M560.8-8 -	Nishnabotna River	1,000E 1,000E	0 -	
3	HAMPTON	UM 10	- -	M1,399-35 -150E-35E	Squaw Creek to West Fork Cedar River	5,800E 600E	7 -	
4	HANCOCK	MR 12	- -	M560.8-12 -78.1	West Nishnabotna River	220E 150E	2 -	
5	HARLAN	MR 12	- -	M560.8-12 -101	West Nishnabotna River	5,000E 500E	7 -	
6	HARRIS	MR 12	- -	M693.5- 227-34-13	Dry Run to Ocheveden River	600E 100E	7 -	
7	HARTLEY	MR 12	- -	M693.5- 227-22	County Drain to Ocheveden River	3,800 300	7 -	
8	HAWARDEN	MR 7	- -	B875 -	Big Sioux River	2,500E 2,500E	0 -	
9	HAWKEYE	UM 8	- -	M1,572-15E -45E	Dry Run to Branch of Volga River	2,000E 200E	7 -	
10	HIAWATHA	UM 10	- -	M1,399-35 -x-x	Indian Creek to Cedar River	1,300E 200E	1 -	
11	HINTON	MR 12	- -	M758.3-14.8 -	Floyd River	300E 300E	0 -	
12	HOLSTEIN	MR 12	- -	M693.5-13 -36-12	Battle Creek to Maple River	1,500E 500E	7 -	
13	HOMESTEAD S. D.	UM 10	- -	M1,399-x-x -	Ditch to Iowa River	300E 30E	7 -	
14	HOPKINTON	UM 8	- -	x -	Maquoketa River	750 115	x -	
15	HOSPERS	MR 12	- -	M758.3-63 -	Floyd River	500E 300E	4 -	
16	HUDSON	UM 10	- -	M1,399-35 -135E-10E	Blackhawk Creek to Cedar River	3,200 800	7 -	
17	HULL	MR 7	- -	B584.7-16-8 -	Creek to Rock River	2,500 400E	7 -	
18	HUMBOLDT	UM 11	- -	M1,325-255E -	West Fork of Des Moines River	3,500E	7 -	
19	HUMESTON	MR 13	- -	C223-30 -	Nine Mile Creek to South Chariton River	500 150	1 -	
20	HUXLEY	UM 11	- -	M1,360-160E -	Ditch to Skunk River	800E 80E	7 -	
21	IDA GROVE	MR 12	- -	M693.5-13- 44	Maple River	3,200 400E	7 -	
22	INDEPENDENCE	UM 8	- -	M1,470.8- 115E	Wapsipinicon River	6,000E 600E	7 -	
23	INDIANOLA	UM 11	- -	M1,325-150E -20E	Creek to Middle River	6,500E 700E	7 -	
24	INWOOD	MR 7	- -	MR762.3-40E -x-x	Creek to Big Sioux River	600 250	7 -	
25	* IOWA CITY	UM 10	- -	M1,399-50E -	Iowa River	40,000E 4,000E	1 -	
26	IOWA FALLS	UM 10	- -	M1,399-195E -	Iowa River	8,000E 800E	7 -	
27	* IOWA Great Lakes S. D.	MR 12	- -	M693.5- 255-6	Creek to Little Sioux River	4,000* 900*	1 -	*Winter data. In summer 30,000 (top), 7,000 (bottom).
28	IRETON	MR 7	- -	x -	Indian Creek to Big Sioux River	800 120	x -	
29	IRWIN	MR 12	- -	MR560.8-25E -80E	West Nishnabotna River	400F 40E	7 -	
30	JANESVILLE	UM 10	- -	M1,399-35- 145E-x-x	Quarter Section Run to Cedar River	580E 150E	5 -	

INVENTORY OF MUNICIPAL WASTE FACILITIES

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	COUNTY	1960 Population	Estimated Population Served	TYPE SEWER SYSTEM	AVERAGE DAILY FLOW MGD	Des'd For Average Daily Flow MGD P.E. (1000's)	TREATMENT FACILITIES TREATMENT	LINE NO.
1	2	3	4	5	6	7	8	
JEFFERSON	Greene	4,570 -	4,000 -	B -	x -	0.360 6.000	SgKaCmFtrCmDfghrBo -	1
JESUP	Buchanan	1,488 -	1,200 -	B -	x -	0.074 2.200	CiFtrCpBo -	2
JEWELL	Hamilton	1,113 -	1,000 -	B -	0.050E -	0.073 1.100	Lo -	3
KANAWHA	Hancock	735 -	500 -	B -	x -	x x	CiFsBo -	4
KELLOGG	Jasper	623 -	550 -	B -	x -	0.100 0.960	ShCiFtrCpBo -	5
KEOKUK	Lee	16,316 -	15,000 -	C -	x -	- -	None -	6
KEOSAUQUA	Van Buren	1,023 -	700 -	x -	x -	- -	None -	7
KEOTA	Keokuk	1,096 -	1,000 -	B -	0.050 -	0.102 1.380	CiFtrCpBo -	8
KEYSTONE	Benton	522 -	450 -	B -	x -	0.030 0.600	SeCiFtrCpBo -	9
KINGSLEY	Plymouth	1,044 -	1,000 -	B -	0.060 -	x x	CaFsBo -	10
KIRON	Crawford	271 -	230 -	B -	0.020 -	0.025 0.396	ShCiFtrBo -	11
KLEMME	Hancock	615 -	500 -	B -	x -	x x	CiFtnBo -	12
KNOXVILLE	Marion	7,817 -	4,000 -	B -	x -	0.504 9.000	ShGhKaCmFtrCmDfrhBo -	13
LAKE CITY North Plant	Calhoun	2,114 -	1,200 -	C -	0.105 -	0.150 2.000	ShCmFtrCiFtnCpDfpBo -	14
LAKE CITY West Plant	Calhoun	- -	900 -	B -	x -	0.075 1.250	CiFtnBo -	15
LAKE MILLS	Winnebago	1,758 -	1,600 -	B -	x -	0.187 2.058	Lo -	16
LAKE PARK	Dickinson	952 -	[illegible]00 -	B -	0.055 -	x x	CiFsBo -	17
LAKESIDE	Buena Vista	306 -	200 -	C -	x -	x x	CsIsu -	18
LAKE VIEW	Sac	1,165 -	1,000 -	B -	0.100 -	0.054 1.300	CiFtrCpLsBo -	19
LAMBS GROVE	Jasper	234 -	200 -	B -	x -	x x	GhCiFta -	20
LAMONI	Decatur	2,173 -	1,900 -	B -	x -	0.204 4.130	ShCiFtnBo -	21
LANSING	Allamakee	1,325 -	1,200 -	B -	0.074 -	- -	None -	22
LA PORTE CITY	Black Hawk	1,053 -	1,700 -	B -	x -	0.115 4.500	GhCmFtrCmDerhBo -	23
LAURENS	Pocahonta	1,799 -	1,600 -	B -	0.090 -	0.138 x	ShCmFtrCpDfhrBo -	24
LEHIGH	Webster	846 -	700 -	B -	x -	- -	None -	25
LE MARS	Plymouth	6,[illegible] -	6,400 -	B -	x -	0.576 8.100	SmhgCmFtrCmDfhBoLs -	26
LENOX	Taylor	1,178 -	800 -	B -	x -	x x	CaBo -	27
LEON	Decatur	2,004 -	1,800 -	B -	0.048 -	0.047 2.040	ShGhKmCmFtrCpDeorhBo -	28
LIME SPRINGS	Howard	581 -	500 -	B -	x -	x x	SoCpFtnCpDepBo -	29
LINN GROVE	Buena Vista	330 -	300 -	B -	x -	0.035 0.350	Lo -	30

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LINE NO.	COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION 9	DRAINAGE BASIN Maj. Min. 10	DRAINAGE BASIN Sub. 10a	WATER-COURSE MILEAGE 11	DISCHARGE TO 12	P.E. (BOD) UNTREATED WASTE / DISCHARGED WASTE 13	Pollution Abatement Needs 14	REMARKS 15
1	**JEFFERSON**	UM 11	- -	M1,325-160E -x-x	Creek to Raccoon River	x 1.000E	7 -	
2	**JESUP**	UM 10	- -	M1,399-35 -135E-x-x	Spring Creek to Cedar River	2,000E 400E	7 -	
3	**JEWELL**	UM 11	- -	M1,360-200E -	Skunk River	1,000E 100E	7 -	
4	**KANAWHA**	UM 11	- -	M1,325-215E -65E	Otter Creek to Boone River	x 200E	2 -	
5	**KELLOGG**	UM 11	- -	M1,360-75E -50E	North Skunk River	700E 70E	7 -	
6	**KEOKUK**	UM 11	- -	M1,347 -	Mississippi River	x x	0 -	
7	**KEOSAUQUA**	UM 11	- -	M1,325-50E -	Des Moines River	1,000E 1,000E	0 -	
8	**KEOTA**	UM 11	- -	M1,360-95E -	Dutch Creek to Skunk River	1,000E 100E	7 -	
9	**KEYSTONE**	UM 10	- -	M1,399-35 -70E-x-x	Prairie Creek to Cedar River	450E 150E	7 -	
10	**KINGSLEY**	MR 12	- -	MR693.5-35E -50E	West Fork of Little Sioux River	1,000E 600E	4 -	
11	**KIRON**	MR 12	- -	MR651-x-x -	Otter Creek to Boyer River	230E 20E	7 -	
12	**KLEMME**	UM 10	- -	- -	Land	500E 0	5 -	
13	**KNOXVILLE**	UM 11	- -	M1,325-125E -x-x	Competine Creek to Des Moines River	x 400E	7 -	
14	LAKE CITY North Plant	UM 11	- -	M1,325-160E -100E	Lake Creek to Raccoon River	1,200E 120E	7 -	
15	LAKE CITY West Plant	UM 11	- -	M1,325-160E -100E	Lake Creek to Raccoon River	900E 300E	5 -	
16	LAKE MILLS	UM 10	- -	M1,399-35- 155E-50E	Ditch to Lime Creek	1,900E 200E	7 -	
17	LAKE PARK	MR 12	- -	M693.5- 270-14	Silver Creek to Little Sioux River	1,000E 400E	2 -	
18	LAKESIDE	UM 11	- -	M1,325-160E -x-x	Creek to Raccoon River	200E 80E	4 -	
19	LAKE VIEW	UM 11	- -	x -	Indian Creek	1,000E 150E	1 -	
20	LAMBS GROVE	UM 11	- -	M1,360-160E -x-x	Cherry Creek to Skunk River	200E 70E	4 -	
21	LAMONI	MR 13	- -	MR251.8-50E -90E	Seven Mile Creek	3,800E 1.800E	4 -	
22	LANSING	UM 6	- -	M1,627 -	Mississippi River	1,200E 1.200E	0 -	
23	LA PORTE CITY	UM 10	- -	M1,399-35 -140E	Big Creek to Cedar River	3,020E* 900E*	7 -	*Includes PE of seasonal cannery waste
24	LAURENS	UM 11	- -	M1,325-160E -120E-x-x	Big Cedar Creek	1,600E 200E	7 -	
25	LEHIGH	UM 11	- -	M1,325-245E -	Des Moines River	700E 700E	0 -	
26	LE MARS	MR 12	- -	M758.3- 32.9	Floyd River	7,500E 750E	7 -	
27	LENOX	MR 12	- -	M402.5-79- 82-34	East Fork of 102 River	800 800	4 -	
28	LEON	MR 13	- -	G64-28- 35-24	McGrunder Creek to Grand River	2,400 300E	7 -	
29	LIME SPRINGS	UM 6	- -	M1,627.6 -60E	Upper Iowa River	x 100E	7 -	
30	LINN GROVE	MR 12	- -	MR693.5-95E -	Little Sioux River	300E 30E	7 -	

INVENTORY OF MUNICIPAL WASTE FACILITIES

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION 1	COUNTY 2	1960 Population 3	Estimated Population Served 4	TYPE SEWER SYSTEM 5	AVERAGE DAILY FLOW MGD 6	Des'd For Average Daily Flow MGD P.E. (1000's) 7	TREATMENT FACILITIES TREATMENT 8	LINE NO.
LISBON	Linn	1,227 -	1,000 -	S -	x -	x x	ClFsBo -	1
LITTLE ROCK	Lyon	564 -	400 -	S -	0.024 -	x x	ClFtnBo -	2
LIVERMORE	Humboldt	545 -	500 -	S -	x -	x x	ClFtnBo -	3
LOGAN	Harrison	1,605 -	1,400 -	S -	x -	- -	None -	4
LOHRVILLE	Calhoun	653 -	600 -	S -	x -	0.067 1.150	ShClFtrCmBo -	5
LOST NATION	Clinton	567 -	500 -	S -	x -	0.082 0.800	Lo -	6
LOWDEN	Cedar	641 -	640 -	S -	x -	0.103 0.825	ShClFtrCpBo -	7
LYNNVILLE	Jasper	411 -	350 -	S -	x -	0.041 0.410	Lo -	8
MC GREGOR	Clayton	1,040 -	1,000 -	S -	x -	- -	None -	9
MADRID	Boone	2,286 -	2,100 -	S -	x -	x x	CsFtnCpBo -	10
MALVERN	Mills	1,193 -	1,190 -	S -	x -	- -	None -	11
MANCHESTER	Delaware	4,402 -	4,000 -	S -	x -	0.520 5.400	ScGmKmCaFtrCmDfrhLs -	12
MANILLA	Crawford	939 -	800 -	S -	x -	x x	Ca[illegible]Bo -	13
MANLEY	Worth	1,425 -	1,100 -	S -	x -	0.060 1.500	ScClFthCpBo -	14
MANNING	Carroll	1,676 -	1,200 -	S -	x -	0.132 2.000	ShClFtnCpBo -	15
MANSON	Calhoun	1,789 -	1,300 -	S -	0.150 -	0.190 2.156	Lo -	16
MAPLETON	Monona	1,686 -	1,400 -	S -	x -	x x	CsFsBo -	17
MAQUOKETA	Jackson	5,909 -	5,500 -	C -	0.700 -	0.750 6.200	ScGmCmDfrLs -	18
MARCUS	Cherokee	1,307 -	1,300 -	S -	0.070 -	0.116 2.100	CpFtrCpDcBo -	19
MARENGO	Iowa	2,264 -	1,800 -	S -	x -	- -	None -	20
MARION	Linn	10,882 -	(3,500) -	S -	0.274 -	- -	See Cedar Rapids -	21
MARQUETTE	Clayton	572 -	550 -	S -	x -	- -	None -	22
MASON CITY	Cerro Gordo	30,642 -	30,000 -	S -	2.667 -	x x	SmGhClFtnClLs -	23
MARSHALLTOWN	Marshall	22,521 -	22,000 -	S -	x -	3.850 89.500	SchGmKmCmAaCmEgDefrhLsZo -	24
MASSENA	Cass	456 -	400 -	S -	0.030 -	0.050 0.565	SmClFtrCpBo -	25
MAURICE	Sioux	237 -	210 -	S -	x -	x x	ClBo -	26
MAXWELL	Story	773 -	770 -	S -	x -	0.066 1.200	ClFtrCpBo -	27
MECHANICSVILLE	Cedar	1,010 -	900 -	x -	x -	0.050 1.050	ShClFtrCpBo -	28
MEDIAPOLIS	Des Moines	1,040 -	400 -	x -	x -	- -	None -	29
MELBOURNE	Marshall	517 -	300 -	S -	x -	0.030 0.500	ShClFtrCpBo -	30

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LINE NO.	COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	DRAINAGE BASIN Maj. Min.	DRAINAGE BASIN Sub.	WATER-COURSE MILEAGE	DISCHARGE TO	P.E. (BOD) UN-TREATED WASTE / DIS-CHARGED WASTE	Pollution Abatement Needs	REMARKS
	9	10	10a	11	12	13	14	15
1	LISBON	UM 10	- -	M1,399-35 -80E	Dry Run to Cedar River	1,000E 300E	4 -	
2	LITTLE ROCK	MR 7	- -	MR762.3-50E -40E	Little Rock River	400E 150E	1 -	
3	LIVERMORE	UM 11	- -	M1,325-280E -	Lotts Creek to East Fork Des Moines River	x 125E	7 -	
4	LOGAN	MR 12	- -	MR651-35E -	Boyer River	2,000E 2,000E	0 -	
5	LOHRVILLE	UM 11	- -	M1,325-160E -x-x	Cedar Creek to Raccoon River	600E 60E	7 -	
6	LOST NATION	UM 8	- -	M1,470.8 -35E	Lost Nation Ditch to Wapsipinicon River	700E 70E	7 -	
7	LOWDEN	UM 8	- -	M1,470.8 -30E	Yankee Run Creek to Wapsipinicon River	x x	7 -	
8	LYNNVILLE	UM 11	- -	M1,360-75E -75E-40E	Ditch to North Skunk River	350E 30E	7 -	
9	MC GREGOR	UM 6	- -	M1,617 -	Mississippi River	1,000E 1,000E	0 -	
10	MADRID	UM 11	- -	M1,325-195E -	Creek to Des Moines River	2,100E 600E	0 -	
11	MALVERN	MR 12	- -	M560.8-12- 32-5	Silver Creek	2,000E 2,000E	0 -	
12	MANCHESTER	UM 8	- -	M1,512.6- 105E	Maquoketa River	6,000E 600E	7 -	
13	MANILLA	MR 12	- -	M560.8-12 -101-13	West Fork of West Nishnabotna River	800E 500E	4 -	
14	MANLEY	UM 10	- -	M1,399-35- 155E-65E	Creek to Shell Rock River	1,100E 250E	7 -	
15	MANNING	MR 12	- -	M560.8-12- 127.2	West Nishnabotna River	1,200 300	1 -	
16	MANSON	UM 11	- -	M1,325-160E -x-x	Cedar Creek to Raccoon River	2,155 100	7 -	
17	MAPLETON	MR 12	- -	M693.5-13 -16	Maple River	2,200 700E	4 -	
18	MAQUOKETA	UM 8	- -	M1,512.6- 35E	Maquoketa River	6,000 4,000	7 -	
19	MARCUS	MR 12	- -	M693.5-23- 67	Fiddle Creek to West Fork of Little Sioux River	2,000E 200E	7 -	
20	MARENGO	UM 10	- -	M1,399-100E -	Iowa River	1,800E 1,800E	0 -	
21	MARION	UM 10	- -	- -	Cedar River	- -	- -	
22	MARQUETTE	UM 6	- -	M1,618 -	Mississippi River	550E 550E	0 -	
23	MASON CITY	UM 10	- -	* -	Lime Creek	55,000E 5,000E	7 -	*M1,399-35-155E-25E-25E
24	MARSHALLTOWN	UM 10	- -	M1,399-140E -	Iowa River	60,000E 600E	7 -	
25	MASSENA	MR 12	- -	MR480.9- 175E	West Nodaway River to Nodaway River	400 40	7 -	
26	MAURICE	MR 12	- -	MR758.3-50E -	West Branch of Floyd River	210 150E	2 -	
27	MAXWELL	UM 11	- -	M1,360-165E -x-x	Rock Creek	700E 100E	7 -	
28	MECHANICSVILLE	UM 10	- -	M1,399-35- 72E-x-x	Clear Creek to Cedar River	900E 100E	7 -	
29	MEDIAPOLIS	UM 11	- -	M1,386-x-x -	Hawkeye Creek to Mississippi River	1,040E 1,040E	0 -	
30	MELBOURNE	UM 11	- -	M1,360-95E -70E-x-x	Creek to North Skunk River	x 50	7 -	

INVENTORY OF MUNICIPAL WASTE FACILITIES

STATE	YEAR	PAGE
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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	COUNTY	1960 Population	Estimated Population Served	TYPE SEWER SYSTEM	AVERAGE DAILY FLOW MGD	Des'd For Average Daily Flow MGD P.E. (1000's)	TREATMENT FACILITIES TREATMENT	LINE NO.
1	2	3	4	5	6	7	8	
MELCHER	Marion	867 -	175 -	S -	x -	0.004 0.175	CsFsBo -	1
MERRILL	Plymouth	645 -	400 -	S -	x -	- -	None -	2
MIDDLETOWN	Des Moines	245 -	100 -	S -	x -	0.025 0.500	CiFsBo -	3
MILFORD	Dickinson	1,476 -	(1,450) -	S -	0.100 -	- -	See Iowa Great Lakes S. D.	4
MINBURN	Dallas	357 -	220 -	S -	x -	- -	None -	5
MINDEN	Pottawattamie	355 -	350 -	S -	0.040 -	0.045 0.450	Lo -	6
MISSOURI VALLEY	Harrison	3,567 -	3,200 -	S -	x -	- -	None -	7
MITCHELLVILLE	Polk	957 -	900 -	S -	x -	0.154 1.500	ShCiFtrCpBo -	8
MONONA North Plant	Clayton	1,346 -	510 -	S -	0.036 -	0.020 0.550	CsFsBo -	9
MONONA South Plant	Clayton	- -	770 -	S -	0.054 -	x x	CiFsBo -	10
MONROE	Jasper	1,366 -	1,200 -	S -	x -	0.072 1.200	ShCiFtrCpBo -	11
MONTEZUMA	Poweshiek	1,416 -	1,000 -	S -	x -	x x	CiFsBo -	12
MONTICELLO	Jones	3,190 -	2,500 -	S -	x -	0.184 2.300	ShGh(KmCm)FtrCpDfrhHoBo -	13
MONTROSE	Lee	632 -	375 -	S -	x -	0.011 0.370	Cs -	14
MOULTON	Appanoose	773 -	540 -	S -	x -	x x	CiFtnBo -	15
MOUNT AIR	Ringgold	1,738 -	x -	S -	x -	0.185 2.150	ShGhCiFtrCpBo -	16
MOUNT PLEASANT	Henry	7,339 -	6,500 -	SC -	0.550E -	0.225 4.500	ShGhCiFtnBo -	17
MOUNT VERNON	Linn	2,593 -	1,500 -	S -	x -	0.223 3.800	ShGhCmFthCiFsDfhrBo -	18
MOVILLE	Woodbury	1,156 -	1,000 -	S -	0.150E -	x x	CsLs -	19
MUSCATINE	Muscatine	20,997 -	17,000 -	C -	x -	- -	None -	20
NASHUA	Floyd	1,737 -	1,100 -	C -	x -	0.078 1.480	CiFtrCpBo -	21
NEOLA	Pottawattamie	870 -	800 -	S -	x -	0.043 0.870	CiFtnBo -	22
NEVADA	Story	4,227 -	4,000 -	S -	x -	0.160 4.500	ShGhCmFtrCpFsDhrcptLsBo -	23
NEW ALBIN	Allamakee	643 -	600 -	x -	x -	- -	None -	24
NEWELL	Buena Vista	893 -	730 -	S -	x -	x x	ShCiFtnCpBo -	25
NEW HAMPTON	Chickasaw	3,456 -	2,000 -	S -	x -	x x	CiFtnCpBo -	26
NEW LONDON	Henry	1,694 -	1,600 -	C -	x -	0.187 3.000	ShCpFtrCpDpBo -	27
NEW SHARON	Mahaska	1,063 -	800 -	S -	0.109 -	0.131 1.260	ShCmFtrCpDfpBo -	28
NEWTON Northwest Plant	Jasper	15,381 -	1,500 -	S -	x -	x x	GhCiFtnCpBo -	29
NEWTON South Plant	Jasper	- -	7,000 -	S -	x -	3.100 22.500	SchGmKsCmFtrCmDfhrBo -	30

INVENTORY OF MUNICIPAL WASTE FACILITIES

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LINE NO.	COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	DRAINAGE BASIN Maj. Min.	DRAINAGE BASIN Sub.	WATER-COURSE MILEAGE	DISCHARGE TO	P.E. (BOD) UN-TREATED WASTE / DIS-CHARGED WASTE	Pollution Abatement Needs	REMARKS
	9	10	10a	11	12	13	14	15
1	MELCHER	UM 11	- -	M1,325-120E -x-x	English Creek to Des Moines River	x 30E	5 -	
2	MERRILL	MR 12	- -	M758.3-22 -	Floyd River	400E 400E	0 -	
3	MIDDLETOWN	UM 11	- -	M1,369.2 -x-x	Flint Creek to Mississippi River	x 30E	2A 5	
4	MILFORD	MR 12	- -	- -	Creek to Little Sioux River	- -	- -	
5	MINBURN	UM 11	- -	M1,325-160E -x-x	Dry Run to Raccoon River	220E 220E	0 -	
6	MINDEN	MR 12	- -	MR604-50E -	Keg Creek to Missouri River	450 40	7 -	
7	MISSOURI VALLEY	MR 12	- -	MR651-x-x -	Willow Creek to Boyer River	3,200E 3,200E	0 -	
8	MITCHELLVILLE	UM 11	- -	M1,325-170E -x-x	Camp Creek to Des Moines	900 200	7 -	
9	MONONA North Plant	UM 8	- -	M1,572-x-x -	Dry Creek to Turkey River	510E 300E	4 -	
10	MONONA South Plant	UM 8	- -	M1,601.7 -x-x	Dry Creek to Yellow River	770E 500E	4 -	
11	MONROE	UM 11	- -	M1,360-135E -x-x	Creek to Skunk River	1,200E 120E	7 -	
12	MONTEZUMA	UM 10	- -	M1,360-80E -40E-x-x	Moon Creek to North Skunk River	1,000E 100E	4 -	
13	MONTICELLO	UM 8	- -	M1,512.6- 65E	Maquoketa River	4,100E 400E	7 -	
14	MONTROSE	UM 11	- -	M1,338.9 -	Mississippi River	375E 310E	7 -	
15	MOULTON	UM 11	- -	M1,287-10E -80E	North Fabius River	550E 100E	5 -	
16	MOUNT AYR	MR 13	- -	G142-41 -	Middle Fork Grand River	x x	7 -	
17	MOUNT PLEASANT	UM 11	- -	M1,360-x-x -	Saunders Creek	6,500E 1,600E	1 -	
18	MOUNT VERNON	UM 10	- -	M1,399-35 -75E-x	Creek to Cedar Creek	1,500E 100E	7 -	
19	MOVILLE	MR 12	- -	MR693.5-15E -40E	West Fork of Little Sioux River	1,050E 700E	4 -	
20	MUSCATINE	UM 10	- -	M1,419 -	Mississippi River	x x	0 -	
21	NASHUA	UM 10	- -	M1,399-35 -165E	Cedar River	1,100E 200E	7 -	
22	NEOLA	MR 12	- -	M622.3-26 -	Mosquito Creek	800E 600E	2 -	
23	NEVADA	UM 11	- -	M1,360-155E -40E	West Branch of Indian Creek	x x	5 -	
24	NEW ALBIN	UM 6	- -	M1,637 -	Mississippi River	x x	0 -	
25	NEWELL	UM 11	- -	M1,325-160E -x-x	Creek to Raccoon River	1,300E 200E	1 -	
26	NEW HAMPTON	UM 8	- -	M1,470.8 -160E-x-x	Creek to East Branch of Wapsipinicon River	x 800E	1 -	
27	NEW LONDON	UM 11	- -	M1,360-30E -	Mud Creek to Skunk River	2,200E 200E	7 -	
28	NEW SHARON	UM 11	- -	M1,360-115E -	Dry Creek to North Skunk River	800E 100E	7 -	
29	NEWTON Northwest Plant	UM 11	- -	M1,360-150E -x-x	Cherry Creek to Skunk River	4,000E 400E	1 -	
30	NEWTON South Plant	UM 11	- -	M1,360-150E -x-x	Sewer Creek	12,000E 2,000E	7 -	

INVENTORY OF MUNICIPAL WASTE FACILITIES

STATE: IOWA
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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION 1	COUNTY 2	1960 Population 3	Estimated Population Served 4	TYPE SEWER SYSTEM 5	AVERAGE DAILY FLOW MGD 6	Des'd For: Average Daily Flow MGD / P.E. (1000's) 7	TREATMENT FACILITIES: TREATMENT 8	LINE NO.
NEWTON Southwest Plant	Jasper	- -	6,000 -	S -	x -	x x	ShClFtnCpBo -	1
NORA SPRINGS	Floyd	1,275 -	1,000 -	S -	0.150 -	0.181 2.739	SchCpFthrCpDopXd -	2
NORTH ENGLISH	Iowa	1,004 -	900 -	S -	0.060 -	0.725 2.000	ShCpFtrCpDopBo -	3
NORTHWOOD	Worth	1,768 -	1,500 -	S -	0.150 -	0.180 2.193	ScClmFthrCmBo -	4
NORWALK	Warren	1,328 -	1,200 -	S -	0.100E -	0.120 1.500	Lo -	5
OAKLAND	Pottawattamie	1,340 -	1,100 -	S -	x -	- -	None -	6
OCHEYEDAN	Osceola	662 -	650 -	S -	0.020 -	x x	ClFtnBo -	7
ODEBOLT	Sac	1,331 -	1,300 -	SC -	0.130 -	0.187 2.058	ShCmFtrCpDfpBo -	8
OELWEIN	Fayette	8,282 -	8,000 -	S -	0.900 -	0.950 12.000	ScGmKmCmFtnCmEgDrhfBo -	9
OGDEN	Boone	1,525 -	1,200 -	S -	0.200 -	0.250 1.850	SmCmFtrhCpDfhBo -	10
OKOBOJI	Dickinson	330 -	(750) -	S -	x -	- -	See Iowa Great Lakes S. D.	11
OLIN	Jones	703 -	500 -	S -	x -	- -	None -	12
ONAWA	Monona	3,176 -	3,000 -	S -	x -	0.346 5.300	SgCmFtrCmDhrf -	13
ORANGE CITY	Sioux	2,707 -	2,600 -	S -	0.110 -	0.233 3.000	ScGmKaCmFtrCpZilVvXp -	14
ORLEANS	Dickinson	280 -	(300) -	S -	x -	- -	See Iowa Great Lakes S. D.	15
OSAGE	Mitchell	3,753 -	3,700 -	S -	x -	0.337 5.070	ShGhCmFtrCmDcmhBo -	16
OSCEOLA	Clarke	3,350 -	2,600 -	S -	x -	0.225 3.000	ShCmFtrCpDcrhBo -	17
OSKALOOSA North Plant	Mahaska	11,053 -	5,500 -	S -	x -	0.570 6.500	S GhCmFtrCpDcarhBo -	18
OSKALOOSA South Plant	Mahaska	- -	5,500 -	S -	0.600 -	0.570 6.500	S GhCmFtrCpDcarhBo -	19
OSSIAN Northeast Plant	Winneshiek	827 -	110 -	S -	x -	x x	CsFsBo -	20
OSSIAN Northwest Plant	Winneshiek	- -	110 -	S -	x -	x x	CsFsBo -	21
OSSIAN Southeast Plant	Winneshiek	- -	400 -	S -	0.020 -	0.075 0.940	SmCpFthCpFsDforhBo -	22
OSSIAN Southwest Plant	Winneshiek	- -	110 -	S -	x -	x x	CsFsBo -	23
OTTUMWA	Wapello	33,871 -	35,000 -	C -	x -	x x	ScGhOmCmDfhLs -	24
OXFORD	Johnson	633 -	500 -	S -	x -	x x	ClFthrCpBo -	25
OXFORD JUNCTION	Jones	725 -	400 -	S -	x -	- -	None -	26
OYENS	Plymouth	114 -	100 -	S -	x -	0.010 0.095	Lo -	27
PANORA	Guthrie	1,019 -	700 -	S -	x -	- -	None -	28
PARKERSBURG	Butler	1,468 -	1,200 -	S -	x -	0.060 1.200	ScGhClFtrCpBo -	29
PAULLINA	O'Brien	1,329 -	1,200 -	S -	0.150 -	0.183 1.500	Lo -	30

INVENTORY OF MUNICIPAL WASTE FACILITIES

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LINE NO.	COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	DRAINAGE BASIN		WATER-COURSE MILEAGE	DISCHARGE TO	P.E. (BOD) UN-TREATED WASTE DIS-CHARGED WASTE	Pollution Abatement Needs	REMARKS
		Maj. Min.	Sub.					
	9	10	10a	11	12	13	14	15
1	NEWTON Southwest Plant	UM 11	- -	M1,360-150E -x-x	Cherry Creek to Skunk River	6,000E 1,000E	1 -	
2	NORA SPRINGS	UM 10	- -	M1,399-35- 190E-x-x	Shellrock River	2,200E 200E	7 -	
3	NORTH ENGLISH	UM 10	- -	x -	South Fork of Little Creek	1,700E 200E	7 -	
4	NORTHWOOD	UM 10	- -	M1,399-35- 190E-x-x	Shellrock River	2,000E 200E	7 -	
5	NORWALK	UM 11	- -	M1,325-150E -10E	Ditch to North River to Des Moines River	1,200E 100E	7 -	
6	OAKLAND	MR 12	- -	M560.8-12- 70	West Nishnabotna River	1,100E 1,100E	0 -	
7	OCHEYEDAN	MR 12	- -	M693.5- 227-42	Ocheyedan Creek	700 300E	2 -	
8	ODEBOLT	MR 12	- -	M693.5-13- 44-12	Odelbolt Creek to Maple River	2,700 500	5 -	
9	OELWEIN	UM 8	- -	M1,470.8- 115E-x-x	Otter Creek	16,000E 1,600E	7 -	
10	OGDEN	UM 11	- -	M1,360-160E -50E	Beaver Creek to Des Moines River	1,200E 100E	7 -	
11	OKOBOJI	MR 12	- -	- -	Creek to Little Sioux River	- -	- -	
12	OLIN	UM 8	- -	M1.470.8 -65E-x-x	Walnut Creek	800E 800E	0 -	
13	ONAWA	MR 12	- -	M693.5-6 -	Monona-Harrison Ditch	3,210 480	7 -	
14	ORANGE CITY	MR 12	- -	M758.3-23 -15.5-11	Creek to Floyd River	2,600E 300E	7 -	
15	ORLEANS	MR 12	- -	- -	Creek to Little Sioux River	- -	- -	
16	OSAGE	UM 10	- -	M1,399-35- 195E-x-x	Sugar Creek to Cedar River	x x	1 -	
17	OSCEOLA	UM 11	- -	M1,325-145E -x-x	Branch of Whitebreast Creek	3,000E 500E	7 -	
18	OSKALOOSA North Plant	UM 11	- -	M1,360-112E -x-x	Creek to Skunk River	6,000E 2,000E	7 -	
19	OSKALOOSA South Plant	UM 11	- -	M1,325-112E -x-x	Creek to Des Moines River	5,500E 2,000E	7 -	
20	OSSIAN Northeast Plant	UM 8	- -	M1,601.7 -x-x	Creek to Yellow River	x 50E	5 -	
21	OSSIAN Northwest Plant	UM 8	- -	M1,601.7 -x-x	Creek to Yellow River	x 50E	5 -	
22	OSSIAN Southeast Plant	UM 8	- -	M1,601.7 -x-x	Creek to Turkey River	400E 100E	7 -	
23	OSSIAN Southwest Plant	UM 8	- -	M1,601.7 -x-x	Creek to Turkey River	x 50E	5 -	
24	OTTUMWA	UM 11	- -	M1,325-85E -	Des Moines River	560,000 50,000E	7 -	
25	OXFORD	UM 10	- -	M1,399-100E -	Ditch to Iowa River	500E 50E	7 -	
26	OXFORD JUNCTION	UM 8	- -	M1,470.8 -50E	Wapsipinicon River	300E 300E	0 -	
27	OYENS	MR 12	- -	- -	No effluent	100 0	7 -	
28	PANORA	UM 11	- -	M1,325-160E -40E-x-x	Middle Raccoon River	700E 700E	0 -	
29	PARKERSBURG	UM 10	- -	M1,399-35- 55E-15E	Beaver Creek to Cedar River	1,200E 100E	7 -	
30	PAULLINA	MR 12	- -	MR693.5-90E -x-x	Mill Creek to Little Sioux River	1,200E 100E	7 -	

INVENTORY OF MUNICIPAL WASTE FACILITIES

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION 1	COUNTY 2	1960 Population 3	Estimated Population Served 4	TYPE SEWER SYSTEM 5	AVERAGE DAILY FLOW MGD 6	Des'd For Average Daily Flow MGD P.E. (1000's) 7	TREATMENT FACILITIES TREATMENT 8	LINE NO.
PELLA Main Plant	Marion	5,198 -	2,500 -	S -	x -	0.490 7.400	Sm[Cm][Cl]FtrCmFtnCmDfrBo -	1
PELLA Southwest Plant	Marion	- -	200 -	S -	x -	0.043 0.500	ClFtrCpBo -	2
PERRY	Dallas	6,442 -	5,500 -	S -	0.700 -	0.750 8.500	ShGmKmCmFtrDfrhBo -	3
PETERSON	Clay	565 -	600 -	S -	x -	0.036 0.718	ClFtrBo -	4
PIERSON	Woodbury	425 -	400 -	S -	x -	x x	ClFsBo -	5
PLAINFIELD	Bremer	445 -	400 -	S -	x -	x x	CsIp -	6
PLEASANTVILLE	Marion	1,025 -	800 -	S -	0.080 -	x x	ClFtnBo -	7
POCAHONTAS	Pocahontas	2,011 -	1,925 -	S -	0.100 -	0.227 3.300	ShCmFtrDfrhBo -	8
POMEROY	Calhoun	816 -	700 -	S -	0.050 -	x x	CmFtnPs -	9
POSTVILLE	Allamakee	1,554 -	1,300 -	S -	0.090 -	0.294 2.700	SchKaCmFthCmFsDfrH Bo -	10
PRAIRIE CITY	Jasper	943 -	900 -	S -	x -	0.065 1.200	SmClFtrCpBo -	11
PRESTON	Jackson	819 -	800 -	S -	0.070 -	x x	CsFsBo -	12
PRIMGHAR	O'Brien	1,131 -	900 -	S -	0.060E -	0.135 1.350	Lo -	13
QUIMBY	Cherokee	369 -	330 -	S -	x -	x x	Cs -	14
REDFIELD	Dallas	966 -	700 -	S -	x -	- -	None -	15
RED OAK	Montgomery	6,421 -	6,000 -	S -	0.550 -	0.796 8.712	ScGmwCmFtrCmDfhtBo -	16
REINBECK	Grundy	1,621 -	1,400 -	S -	x -	0.124 1.850	ShClFtrCpBo -	17
REMSEN	Plymouth	1,338 -	1,300 -	S -	0.065 -	0.090 1.400	ClFtnBo -	18
RICEVILLE	Mitchell	898 -	700 -	S -	x -	x x	CsFsBo -	19
RICKETTS	Crawford	133 -	100 -	S -	x -	x 0.220	ClBo -	20
RIPPEY	Greene	331 -	300 -	C -	x -	- -	None -	21
RIVERSIDE	Washington	656 -	500 -	S -	x -	- -	None -	22
ROCK RAPIDS	Lyon	2,780 -	2,000 -	S -	x -	0.380 4.500	ShCmFtrCmDfhrBo -	23
ROCK VALLEY	Sioux	1,693 -	1,100 -	S -	x -	x x	CsFsBo -	24
ROCKWELL	Cerro Gordo	772 -	350 -	S -	x -	0.100 0.840	CmFtnCpDopBo -	25
ROCKWELL CITY	Calhoun	2,313 -	1,910 -	C -	x -	0.288 4.300	SchGhCmFtrCpDfrBo -	26
ROLAND	Story	748 -	600 -	S -	x -	x x	CsFtnBo -	27
ROLFE	Pocahontas	819 -	700 -	S -	x -	x x	ClFsBo -	28
RUTHVEN	Palo Alto	712 -	700 -	S -	0.100 -	0.121 1.253	Lo -	29
SAC CITY	Sac	3,354 -	3,000 -	S -	x -	0.200 3.400	SchCmFtrCpDomrhBo -	30

INVENTORY OF MUNICIPAL WASTE FACILITIES

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LINE NO.	COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	DRAINAGE BASIN Maj. Min.	DRAINAGE BASIN Sub.	WATER-COURSE MILEAGE	DISCHARGE TO	P.E. (BOD) UN-TREATED WASTE DIS-CHARGED WASTE	Pollution Abatement Needs	REMARKS
	9	10	10a	11	12	13	14	15
1	PELLA Main Plant	UM 11	- -	M1,360-120E -	Creek to Skunk River	6,600E* 800E*	7 -	*During canning season.
2	PELLA Southwest Plant	UM 11	- -	M1,325-130E -	Creek to Des Moines River	x 50E	7 -	
3	PERRY	UM 11	- -	M1,325-160E -	Raccoon River	8,000 2,000	2 -	
4	PETERSON	MR 12	- -	MR693.5-95E -	Little Sioux River	600 150	7 -	
5	PIERSON	MR 12	- -	MR693.5-90E -	Pierson Creek to Little Sioux River	400 300	2 -	
6	PLAINFIELD	UM 10	- -	- -	Land	x -	8 -	
7	PLEASANTVILLE	UM 11	- -	M1,325-120E -	Cole Creek	800E 100E	5 -	
8	POCAHONTAS	UM 11	- -	M1,325-195E -40E	Ditch to Lizard Creek	1,925E 300E	7 -	
9	POMEROY	UM 11	- -	M1,325-160E -95E	Lake Creek to Raccoon River	1,000E 500E	8 -	
10	POSTVILLE	UM 6	- -	M1,601.7 -35E	Creek to Yellow River	1,650E 250E	7 -	
11	PRAIRIE CITY	UM 11	- -	M1,325-125E -	Calhoun Creek	900E 50E	7 -	
12	PRESTON	UM 8	- -	M1,450E-x-x -	Copper Creek	1,100E 100E	8 -	
13	PRIMGHAR	MR 12	- -	M693.5- 147-27-8	East Branch of Mill Creek	900 50E	7 -	
14	QUIMBY	MR 12	- -	M693.5-128 -	Little Sioux River	330E 200E	5 -	
15	REDFIELD	UM 11	- -	M1,325-160E -32E	Mosquito Creek to Middle Raccoon River	700E 700E	0 -	
16	RED OAK	MR 12	- -	M560.8-12- 57	East Nishnabotna River	6,700E 600E	7 -	
17	REINBECK	UM 10	- -	M1,399-35 -150E-x-x	Blackhawk Creek to Cedar River	2,000E 200E	7 -	
18	REMSEN	MR 12	- -	M758.3- 32.9-12	Deep Creek	1,400E 400E	7 -	
19	RICEVILLE	UM 8	- -	M1,470.8- 200E	Wapsipinicon River	1,000E 750E	8 -	
20	RICKETTS	MR 12	- -	M687.7-41- 2.5-8	Creek to East Fork of Soldier River	100 60	2 -	
21	RIPPEY	UM 11	- -	M1,325-165E -x-x	Creek to Raccoon River	300E 300E	6 -	
22	RIVERSIDE	UM 10	- -	M1,399-50E -15E	English River	500E 500E	0 -	
23	ROCK RAPIDS	MR 7	- -	BS84.7-45.1 -	Rock River	3,500E 300E	7 -	
24	ROCK VALLEY	MR 7	- -	BS84.7-17.2 -	Dry Run to Rock River	1,500E 800E	4 -	
25	ROCKWELL	UM 10	- -	M1,399-35 -125E-50E	Beaver Dam Creek to West Fork Cedar River	350E 30E	7 -	
26	ROCKWELL CITY	UM 11	- -	M1,325-165E -x-x	Lake Creek to Raccoon River	2,090E x	7 -	
27	ROLAND	UM 11	- -	M1,360-190E -	Bear Creek to Skunk River	700E 170E	2 -	
28	ROLFE	UM 11	- -	M1,32 -280E -30E	Pilot Creek to West Fork Des Moines River	700E 400E	2 -	
29	RUTHVEN	MR 11	- -	M693 5-225 -	Creek to Little Sioux River	1,200E 150E	7 -	
30	SAC CITY	UM 11	- -	M1,325-160E -25E-90E	Raccoon River	3,300E 600E	7 -	

INVENTORY OF MUNICIPAL WASTE FACILITIES

STATE IOWA

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	COUNTY	1960 Population	Estimated Population Served	TYPE SEWER SYSTEM	AVERAGE DAILY FLOW MGD	Des'd For Average Daily Flow MGD P.E. (1000's)	TREATMENT FACILITIES TREATMENT	LINE NO.
1	2	3	4	5	6	7	8	
SAINT ANSGAR	Mitchell	1,014 -	900 -	S -	0.080 -	x x	ClFtnBo -	1
SANBORN	O'Brien	1,323 -	1,335 -	S -	x -	0.176 5.052	ScGhCmFtrCpDfrBo -	2
SCHALLER	Sac	896 -	800 -	S -	x -	x x	ClFtnBo -	3
SCHLESWIG	Crawford	785 -	750 -	S -	0.090 -	0.095 0.950	Le -	4
SCRANTON	Greene	865 -	800 -	S -	x -	0.069 1.270	ClFthCpBo -	5
SEYMOUR East Plant	Wayne	1,117 -	630 -	S -	x -	x -	ClFsBo -	6
SEYMOUR Southwest Plant	Wayne	- -	200 -	S -	x -	x x	ClFsBo -	7
SHEFFIELD	Franklin	1,156 -	900 -	S -	x -	x x	Cs -	8
SHELBY	Shelby	533 -	350 -	S -	x -	x x	CsFsBo -	9
SHELDON	O'Brien	4,251 -	3,800 -	S -	0.200 -	0.414 6.700	SchKmCmFthCmDfrhBo -	10
SHELL ROCK	Butler	1,112 -	1,000 -	S -	0.090 -	0.134 1.250	Sh(CpDop)FtrCpBo -	11
SHENANDOAH	Page	6,567 -	6,500 -	S -	x -	- -	None -	12
SIBLEY	Osceola	2,852 -	2,665 -	S -	0.500 -	0.420 1.160	SmGmCmFtrCmFtrCpDhfotBoXd -	13
SIDNEY	Fremont	1,057 -	900 -	S -	x -	0.066 1.100	ClFtrCpBo -	14
SIGOURNEY East Plant	Keokuk	2,387 -	750 -	S -	x -	0.072 1.200	ShGhClFtrCpBo -	15
SIGOURNEY South Plant	Keokuk	- -	100 -	S -	x -	x x	Cs -	16
SIGOURNEY West Plant	Keokuk	- -	900 -	S -	x -	0.072 1.200	ShGhClFtrCpBo -	17
SIOUX CENTER	Sioux	2,275 -	2,200 -	S -	0.300 -	0.345 4.240	SchCmFtrCmDfhBo -	18
SIOUX CITY	Woodbury	89,159 -	80,000 -	SC -	17.000 -	- -	None -	19
SIOUX RAPIDS	Buena Vista	962 -	900 -	S -	0.087 -	0.087 1.100	ShClFthCpBo -	20
SLOAN	Woodbury	704 -	600 -	S -	x -	0.094 0.900	ShClFtrCpBo -	21
SOLON	Johnson	604 -	600 -	S -	0.040 -	0.046 0.882	ShClFtrCpEegBo -	22
SPENCER	Clay	8,864 -	8,800 -	SC -	1.500 -	1.740 71.750	ScGmwOamCmFtoCmFtr CmDtBoX	23
SPIRIT LAKE	Dickinson	2,685 -	(2,000) -	S -	x -	- -	See Iowa Great Lakes S. D.	24
SPRINGVILLE	Linn	785 -	700 -	S -	x -	x x	ShClFthCpBo -	25
STACYVILLE	Mitchell	588 -	500 -	S -	0.025 -	0.072 0.600	ShClFtrBo -	26
STANHOPE	Hamilton	461 -	400 -	S -	x -	x x	ClFsBo -	27
STANTON	Montgomery	514 -	450 -	S -	x -	x x	CsFsBo -	28
STANWOOD	Cedar	598 -	550 -	S -	x -	0.045 0.750	ShClFtrCpBo -	29
STATE CENTER	Marshall	1,142 -	1,000 -	S -	0.100 -	0.172 3.936	ShGhKmCmFthCpFsDefrhBo -	30

INVENTORY OF MUNICIPAL WASTE FACILITIES

STATE	YEAR	PAGE
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LINE NO.	COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	DRAINAGE BASIN Maj. Min.	DRAINAGE BASIN Sub.	WATER-COURSE MILEAGE	DISCHARGE TO	P.E. (BOD) UN-TREATED WASTE / DIS-CHARGED WASTE	Pollution Abatement Needs	REMARKS
	9	10	10a	11	12	13	14	15
1	SAINT ANSGAR	UM 10	- -	M1,399-35 -200E	Turtle Creek to Cedar River	1,200E 700E	1 -	
2	SANBORN	MR 12	- -	M758.3-72- 14	Creek to Little Floyd River	x x	7 -	
3	SCHALLER	MR 12	- -	M693.5-13- 56-9	Creek to Maple River	800E 300E	2 -	
4	SCHLESWIG	MR 12	- -	M687.7-41- 18	East Fork of Soldier River	750E 50E	7 -	
5	SCRANTON	UM 11	- -	M1,325-160E -25E-50E	Dry Run to North Raccoon River	x 250E	7 -	
6	SEYMOUR East Plant	MR 13	- -	C172-40 -	Shoal Creek to Chariton River	630 100	7 -	
7	SEYMOUR Southwest Plant	MR 13	- -	C172-40 -	Shoal Creek to Chariton River	200 50	7 -	
8	SHEFFIELD	UM 10	- -	M1,399-35 -150E-50E	Bailey Creek to West Fork Cedar River	1,200E 1.000E	4 -	
9	SHELBY	MR 12	- -	M560.8-12- 32-42	Little Silver Creek	350 50	4 -	
10	SHELDON	MR 12	- -	M758.3-74 -	Floyd River	3,600 400	7 -	
11	SHELL ROCK	UM 10	- -	M1,399-35- 140E-x-x	Shellrock River	1,000E 100E	7 -	
12	SHENANDOAH	MR 12	- -	M560.8-12- 27.2	East Nishnabotna River	7,000 7.000	0 -	
13	SIBLEY	MR 7	- -	BS84.7-28- 5-39.1	Otter Creek	45,000 4.000	1 -	
14	SIDNEY	MR 12	- -	M560.8-12- 5	Dry Run to West Nishnabotna River	1,250 300E	7 -	
15	SIGOURNEY East Plant	UM 11	- -	M1,360-75E -x-x	Ditch to North Skunk River	750E 250E	5 -	
16	SIGOURNEY South Plant	UM 11	- -	M1,360-75E -x-x	Ditch to North Skunk River	100E 75E	4 -	
17	SIGOURNEY West Plant	UM 11	- -	M1,360-75E -x-x	Ditch to North Skunk River	1,000E 400	5 -	
18	SIOUX CENTER	MR 7	- -	M758.3-23- 28	West Fork of Floyd River	4,000E 400E	7 -	
19	SIOUX CITY	MR 12	- -	M760 -	Missouri River and Floyd River	500,000 500,000	0 -	
20	SIOUX RAPIDS	MR 12	- -	M693.5-191 -	Little Sioux River	1,000E 200E	7 -	
21	SLOAN	MR 12	- -	M737-7 -	Drainage ditch to Missouri River	600E 60E	7 -	
22	SOLON	UM 10	- -	M1,399-75E -x-x	Mill Creek to Lake McBride	600E 60E	7 -	
23	SPENCER	MR 12	- -	M693.5-227 -	Little Sioux River	x x	7 -	
24	SPIRIT LAKE	MR 12	- -	- -	Creek to Little Sioux River	- -	- -	
25	SPRINGVILLE	UM 8	- -	MR1,470.8- x-x	Creek to Wapsipinicon River	700E 100E	7 -	
26	STACYVILLE	UM 10	- -	M1,399-35- 145E-75E	Little Cedar River	600E 140E	5 -	
27	STANHOPE	UM 11	- -	M1,360-170 -x	Squaw Creek to Skunk River	400E 100	5 -	
28	STANTON	MR 12	- -	M523.5-21- 42	East Tarkio Creek	450 350	4 -	
29	STANWOOD	UM 10	- -	M1,399-35-x -x-x	Rock Creek to Wapsipinicon River	550E 150E	7 -	
30	STATE CENTER	UM 10	- -	M1,399-130E -x-x	North Timber Creek to Iowa River	2,500E 250E	7 -	

INVENTORY OF MUNICIPAL WASTE FACILITIES

STATE	YEAR	PAGE
IOWA	1962	14 of 16

COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	COUNTY	1960 Population	Estimated Population Served	TYPE SEWER SYSTEM	AVERAGE DAILY FLOW MGD	Des'd For Average Daily Flow MGD P.E. (1000's)	TREATMENT FACILITIES TREATMENT	LINE NO.
1	2	3	4	5	6	7	8	
STORM LAKE	Buena Vista	7,728 -	6,000 -	S -	1.400 -	1.793 48.000	SoGmKmCmFthCmFtr CmEcwDmfthBo	1
STORY CITY	Story	1,773 -	1,300 -	S -	x -	x x	CsFsBo -	2
STRATFORD	Hamilton	703 -	650 -	S -	0.050 -	x x	CsFtnCpLs -	3
STRAWBERRY POINT North Plant	Clayton	1,303 -	350 -	S -	0.030 -	x x	CsFsBo -	4
STRAWBERRY POINT South Plant	Clayton	- -	800 -	S -	x -	x x	ShClFsBo -	5
STUART	Guthrie	1,486 -	1,300 -	S -	0.100 -	x x	ClFsBo -	6
SUMNER	Bremer	2,170 -	2,000 -	S -	0.180 -	0.245 3.980	SoCm[Ftr][Ftn]CpDfrhBo -	7
SUTHERLAND	O'Brien	883 -	700 -	S -	x -	x x	ClFtnCpBo -	8
SWEA CITY	Kossuth	805 -	600 -	S -	0.060 -	x x	ClFtnBo -	9
TABOR	Fremont	909 -	800 -	S -	x -	x x	CsFsBo -	10
TAMA	Tama	2,925 -	2,300 -	S -	x -	0.233 3.000	SoGhCmFtrCmDfrhHoBo -	11
TOLEDO	Tama	2,850 -	2,200 -	S -	x -	0.211 2.500	ClFtrCpCsBo -	12
TRAER	Tama	1,623 -	1,500 -	S -	x -	0.173 2.263	KmCmFtrCpDohrBo -	13
TREYNOR Northwest Lagoon	Pottawattamie	368 -	250 -	S -	x -	0.040 0.400	Lo -	14
TREYNOR Southeast Lagoon	Pottawattamie	- -	75 -	S -	x -	0.015 0.150	Lo -	15
TRIPOLI	Bremer	1,179 -	1,000 -	S -	0.120 -	0.160 1.620	Lo -	16
TROY MILLS	Linn	150 -	250 -	S -	x -	0.040 0.400	ClLs -	17
UNION	Hardin	534 -	450 -	S -	x -	x x	CsFsBo -	18
UNIVERSITY PARK	Johnson	569 -	350 -	S -	x -	x x	Cs -	19
URBANDALE	Polk	5,821 -	(1,500) -	S -	x -	- -	See Des Moines (thru Urbandale-Windsor Hts. S. D.)	20
URBANDALE Beaver Creek Plant	Polk	- -	2,000 -	S -	0.400 -	0.428 4.800	ShCmFthrCpLoDoBo -	21
URBANDALE Benton Subd.	Polk	2,000 -	2,000 -	S -	x -	0.120 2.000	Sh(CpDop)FtrCpEgBo -	22
URBANDALE Windsor Hts. S. D.	Polk	- -	(2,500) -	S -	x -	- -	See Des Moines -	23
UTE	Monona	511 -	350 -	C -	x -	0.023 0.460	CsFsBo* -	24
VAIL	Crawford	473 -	350 -	S -	x -	- -	None -	25
VAN HORNE	Benton	554 -	450 -	S -	x -	0.048 0.600	ShClFtrCpBo -	26
VENTURA	Cerro Gordo	280 -	(x) -	S -	x -	- -	See Clear Lake S. D. -	27
VICTOR	Iowa	870 -	800 -	S -	x -	x x	CsFsBo -	28
VILLISCA	Montgomery	1,690 -	1,500 -	S -	x -	0.197 2.114	SoCmFtrCmDfpBo -	29
VINTON	Benton	4,781 -	4,000 -	S -	0.300 -	0.571 4.200	SoKmCmDfrhBo -	30

INVENTORY OF MUNICIPAL WASTE FACILITIES

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LINE NO.	COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION 9	DRAINAGE BASIN Maj. Min. 10	Sub 10a	WATER-COURSE MILEAGE 11	DISCHARGE TO 12	P.E. (BOD) UN-TREATED WASTE / DIS-CHARGED WASTE 13	Pollution Abatement Needs 14	REMARKS 15
1	STORM LAKE	UM 11	- -	M1,325-160E -25E-120E	North Raccoon River	50,000 2,000	1 -	
2	STORY CITY	UM 11	- -	M1,360-165E -	Skunk River	1,300E 400E	4 -	
3	STRATFORD	UM 11	- -	M1,325-225E -x-x	Dry Run to Boone River	700E 300E	2 -	
4	STRAWBERRY POINT North Plant	UM 8	- -	M1,572-25E -x-x	Spring Creek to Volga River	350E 100E	4 -	
5	STRAWBERRY POINT South Plant	UM 8	- -	M1,280.8 -90E-x-x	Creek to Maquoketa River	1,000E 400E	4 -	
6	STUART	UM 11	- -	M1,325-160E -50E	Long Branch Creek to South Raccoon River	1,300E 800E	4 -	
7	SUMNER	UM 8	- -	M1,47.8- 130E-10E	Creek to Wapsipinicon River	3,500E 300E	7 -	
8	SUTHERLAND	MR 12	- -	M693.5- 167-8	Waterman Creek to Little Sioux River	1,600E 500E	1 -	
9	SWEA CITY	UM 11	- -	M1,325-175E -5E	Mud Creek to East Fork Des Moines River	1,300E 600E	4 -	
10	TABOR	MR 12	- -	M590.5-16 -	Plum Creek	800E 600E	4 -	
11	TAMA	UM 10	- -	M1,399-130E -	Iowa River	2,300E 300E	7 -	
12	TOLEDO	UM 10	- -	M1,399-125E -x-x	Deer Creek	2,200E 200E	7 -	
13	TRAER	UM 10	- -	M1,399-35 -95E	Wolf Creek to Cedar River	2,000E 300E	7 -	
14	TREYNOR Northwest Lagoon	MR 12	- -	MR560.8- 35E-25E	Drainage ditch to Silver Creek	250E 20E	7 -	
15	TREYNOR Southeast Lagoon	MR 12	- -	MR560.8- 35E-25E	Drainage ditch to Silver Creek	75E 5E	7 -	
16	TRIPOLI	UM 8	- -	M1,470.8- 140E	Wapsipinicon River	1,400E* 100E	7 -	*Includes creamery.
17	TROY MILLS	UM 8	- -	MR1,470.8- 100E	Wapsipinicon River	250E 150E	7 -	
18	UNION	UM 10	- -	M1,399-95E -	Iowa River	500E 400E	4 -	
19	UNIVERSITY PARK	UM 11	- -	M1,360-x-x -	Spring Creek to Skunk River	350E 300E	4 -	
20	URBANDALE	UM 11	- -	- -	Des Moines River	- -	- -	
21	URBANDALE Beaver Creek Plant	MR 11	- -	MR1,325- -160E-10E	Beaver Creek to Des Moines River	2,000E 75E	7 -	
22	URBANDALE Benton Subd.	UM 11	- -	M1,325-160E -x-x	West Branch Walnut Creek to Raccoon River	x x	7 -	
23	URBANDALE Windsor Hts. S. D.	UM 11	- -	- -	Des Moines River	- -	- -	
24	UTE	MR 12	- -	M687.7-41 -	Soldier River	350 350	5 -	*Plant bypassed due to defective pump.
25	VAIL	MR 12	- -	M651.82-9 -	East Fork of Boyer River	350 350	0 -	
26	VAN HORNE	UM 10	- -	x-x -	Dry Run to Prairie Creek	450E 70E	7 -	
27	VENTURA	UM 10	- -	- -	Beaver Dam Creek to Ceadr River	- -	- -	
28	VICTOR	UM 10	- -	M1,399-95E -x-x	Bear Creek	800E 200E	4 -	
29	VILLISCA	MR 12	- -	M480.9- 120-0.1	West Nodaway River and Middle Nodaway River	1,500E 150E	7 -	
30	VINTON	UM 10	- -	M1,399-35- 105E	Cedar River	4,500E 3,000E	2 -	

INVENTORY OF MUNICIPAL WASTE FACILITIES

STATE IOWA

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION 1	COUNTY 2	1960 Population 3	Estimated Population Served 4	TYPE SEWER SYSTEM 5	AVERAGE DAILY FLOW MGD 6	Des'd For Average Daily Flow MGD P.E. (1000's) 7	TREATMENT FACILITIES TREATMENT 8	LINE NO.
WALCOTT	Scott	664 -	450 -	S -	x -	x x	Cs -	1
WALL LAKE	Sac	812 -	700 -	S -	0.050 -	x x	CsFsBo -	2
WALNUT	Pottawattamie	777 -	600 -	S -	x -	x x	CiFtnBo -	3
WAPELLO	Louisa	1,745 -	1,290 -	S -	x -	- -	None -	4
WASHINGTON	Washington	6,037 -	5,500 -	C -	x -	0.500 12.600	ShGmCmFtrCmDfhHo -	5
WASHTA	Cherokee	310 -	300 -	S -	x -	x x	Cs -	6
WATERLOO	Black Hawk	71,755 -	65,000 -	S -	21.000 -	9.600 216.00	(CmFto)* ScGmOaKmCmFtr CmDfhLsBo	7
WAUKON	Allamakee	3,369 -	3,500 -	S -	0.300 -	x x	CsFtnCpBo -	8
WAVERLY	Bremer	6,357 -	5,500 -	S -	0.600 -	1.300 50.000	ScGmKaCmFtrCmDfhHc -	9
WEBSTER CITY	Hamilton	8,520 -	7,000 -	S -	0.700 -	0.500 10.000	ShGhCmFthCmFthCmDfrhBo -	10
WELLMAN	Washington	1,085 -	950 -	S -	0.060 -	0.151 1.040	S Gh(CmDcmr)FthCmBo -	11
WELLSBURG	Grundy	827 -	700 -	S -	0.070 -	0.094 1.020	ShCiFtrCpBo -	12
WEST BEND	Kossuth	910 -	900 -	S -	x -	0.050 0.750	CiFtrCpBo -	13
WEST BRANCH	Cedar	1,053 -	900 -	S -	x -	x x	CsFsBo -	14
WEST BURLINGTON	Des Moines	2,560 -	(1,200) -	S -	x -	- -	None (Thru Burlington sewers)	15
WEST DES MOINES	Polk	11,949 -	(4,000) -	S -	x -	- -	See Des Moines -	16
WEST LIBERTY	Muscatine	2,042 -	2,000 -	S -	0.200 -	0.200 3.700	ShCmFtrCpDcmhrBo -	17
WEST POINT	Lee	758 -	550 -	S -	x -	0.032 0.700	CiFtrCpBo -	18
WESTSIDE	Crawford	367 -	300 -	S -	x -	0.053 0.430	CiBo -	19
WEST UNION North Plant	Fayette	2,551 -	650 -	S -	0.060 -	0.068 0.684	ScCiFtrCpBo -	20
WEST UNION South Plant	Fayette	- -	1,800 -	S -	0.140 -	0.165 2.500	ScCi[FtrIFtn]DcrhptBo -	21
WHAT CHEER	Keokuk	956 -	800 -	S -	x -	0.090 1.500	ShCiFtrCpBo -	22
WHITTEMORE	Kossuth	741 -	700 -	S -	0.140 -	0.147 2.325	SmCmFtrCpDfhBo -	23
WILLIAMS	Hamilton	490 -	400 -	S -	x -	x x	CsFsBo -	24
WILLIAMSBURG	Iowa	1,342 -	1,300 -	S -	x -	0.076 1.977	ShCmFtrCmDcpBo -	25
WILTON	Muscatine	1,750 -	1,700 -	S -	0.200 -	0.270 3.600	ScGh(CpDcp)FtrCmBo -	26
WINDSOR HEIGHTS	Polk	4,715 -	(1,000) -	S -	x -	- -	See Des Moines (thru Urbandale-Windsor Hts. S. D.)	27
WINFIELD	Henry	862 -	810 -	S -	0.050 -	x x	ShCsFtrCpBo -	28
WINTERSET	Madison	3,639 -	3,000 -	S -	x -	x x	ShGhCmFtnDcmpBo -	29
WINTHROP	Buchanan	649 -	600 -	S -	0.070 -	0.078 0.850	ShGpCiFtrCpBo -	30

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LINE NO.	COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION 9	DRAINAGE BASIN Maj. Min. 10	DRAINAGE BASIN Sub. 10a	WATER-COURSE MILEAGE 11	DISCHARGE TO 12	P.E. (BOD) UN-TREATED WASTE / DIS-CHARGED WASTE 13	Pollution Abatement Needs 14	REMARKS 15
1	WALCOTT	UM 8	- -	M1,399-35- x-x	Mud Creek to Cedar River	450E 400E	4 -	
2	WALL LAKE	MR 12	- -	M651-107 -	Boyer River	700E 600E	4 -	
3	WALNUT	MR 12	- -	M560.8-12- 7-5	Walnut Creek	600 200	5 -	
4	WAPELLO	UM 10	- -	M1,399-25E -	Iowa River	1,300E 1.300E	0 -	
5	WASHINGTON	UM 11	- -	M1,360-50E -x-x	West Fork of Crooked Creek	10,000E 1.000E	7 -	
6	WASHTA	MR 12	- -	M693.5-121 -	Little Sioux River	310E 200E	7 -	
7	WATERLOO	UM 10	- -	M1,399-35 -135E	Cedar River	650,000 80,000	1 -	*Industrial waste pretreatment units.
8	WAUKON	UM 6	- -	M1,627.6 -55E	Paint Creek	3,500E 1.000E	4 -	
9	WAVERLY	UM 10	- -	M1,399-35 -150E	Cedar River	50,000E 7.000E	7 -	
10	WEBSTER CITY	UM 11	- -	M1,325-225E -x-x	Boone River	8,000E 2.000E	1 -	
11	WELLMAN	UM 10	- -	M1,399-50E -x-x	Smith Creek	2,500E 830E	1 -	
12	WELLSBURG	UM 10	- -	x-x -	South Fork of Beaver Creek	900E 100E	7 -	
13	WEST BEND	UM 11	- -	M1,325-250E -x-x	Prairie Creek to West Fork Des Moines River	1,000E 100E	7 -	
14	WEST BRANCH	UM 10	- -	x-x -	Wapsi Creek	1,500E 800E	4 -	
15	WEST BURLINGTON	UM 11	- -	- -	Mississippi River	- -	- -	
16	WEST DES MOINES	UM 11	- -	- -	Des Moines River	- -	- -	
17	WEST LIBERTY	UM 10	- -	x-x -	Wapsi Creek	3,000E 400E	7 -	
18	WEST POINT	UM 11	- -	M1,341.5 -x-x	Devils Creek to Mississippi River	600E 200E	5 -	
19	WESTSIDE	MR 12	- -	M651-82-16 -	Mill Creek to Boyer River	300 200	7 -	
20	WEST UNION North Plant	UM 8	- -	M1,572.5 -15E-35E	Beaver Creek	700E 70E	7 -	
21	WEST UNION South Plant	UM 8	- -	M1,572.5 -15E-35E	Beaver Creek	2,100E 400E	7 -	
22	WHAT CHEER	UM 11	- -	M1,360-65E -50E-x-x	Coal Creek to North Skunk River	800E 300E	5 -	
23	WHITTEMORE	UM 11	- -	M1,325- 275E-x-x	Lotts Creek to East Fork Des Moines River	2,000E 200E	7 -	
24	WILLIAMS	UM 11	- -	M1,360-200E -	Creek to Skunk River	600E 100E	4 -	
25	WILLIAMSBURG	UM 10	- -	x-x -	Old Man Creek to Iowa River	2,000E 200E	7 -	
26	WILTON	UM 10	- -	M1,399-35 -	Mud Creek to Cedar River	3,200E 320E	7 -	
27	WINDSOR HEIGHTS	UM 11	- -	- -	Des Moines River	- -	- -	
28	WINFIELD	UM 11	- -	x-x -	East Fork of Crooked Creek	935E 100E	4 -	
29	WINTERSET	UM 11	- -	x -	Middle River	3,000E 800E	1 -	
30	WINTHROP	UM 8	- -	M1,470.8 -x-x	Buffalo Creek to Wapsipinicon River	800E 80E	7 -	

INVENTORY OF MUNICIPAL WASTE FACILITIES

STATE	YEAR	PAGE
IOWA	1968	16 of 16

COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	COUNTY	1960 Population	Estimated Population Served	TYPE SEWER SYSTEM	AVERAGE DAILY FLOW MGD	TREATMENT FACILITIES Des'd For Average Daily Flow MGD P.E. (1000's)	TREATMENT	LINE NO.
1	2	3	4	5	6	7	8	
WOODBINE	Harrison	1,304 -	1,000 -	S -	x -	- -	None -	1
WOODWARD	Dallas	967 -	900 -	S -	0.080 -	0.097 0.965	Lo -	2
CEDAR RAPIDS Col. Twp. High Sch.	Linn	- -	x -	S -	x -	0.010 0.500	CmFs (subsurface filter)	3
CHEROKEE State Hospital	Cherokee	1,878 -	1,880 -	S -	x -	0.200 2.000	ShmCmFtrCpDfrhBo -	4
COUNCIL BLUFFS School for Deaf	Pottawattamie	400 -	400 -	x -	x -	- -	None -	5
ELDORA School for Boys	Hardin	700 -	790 -	S -	x -	0.199 0.828	ScGhCmFtrCpDfrhBo -	6
FORT MADISON State Penitentiary	Lee	1,100 -	1,100 -	x -	x -	- -	None -	7
GLENWOOD State Hospital	Mills	2,000 -	2,000 -	S -	x -	0.286 2.200	ScCmFtrCpDfrhBo -	8
INDEPENDENCE Health Institute	Buchanan	2,200 -	2,200 -	S -	0.354 -	0.430 3.380	ShGhCmFtrDfhrBo -	9
KNOXVILLE Knoxville Vet. Hosp.	Marion	2,000 -	2,000 -	S -	0.298 -	x x	ShCpFtnCpEgDopBo -	10
MOUNT PLEASANT Health Institute	Henry	2,200 -	2,200 -	S -	0.310 -	0.430 3.380	StShGhCmFtrCpDfhHoBo -	11
OAKDALE T. B. Sanitarium	Johonson	750 -	750 -	S -	0.094 -	0.113 1.125	ScGhKmxCmFtrEcgDfhBo -	12
ROCKWELL CITY Womens Reformatory	Calhoun	70 -	70 -	S -	x -	x x	Lo -	13
WOODWARD State Hospital	Dallas	2,700 -	2,700 -	S -	x -	0.252 1.625	SmCmFtrCpEgDfrhBo -	14
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INVENTORY OF MUNICIPAL WASTE FACILITIES

STATE	YEAR	PAGE
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LINE NO.	COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	DRAINAGE BASIN Maj. Min.	DRAINAGE BASIN Sub.	WATER-COURSE MILEAGE	DISCHARGE TO	P.E. (BOD) UN-TREATED WASTE / DIS-CHARGED WASTE	Pollution Abatement Needs	REMARKS
	9	10	10a	11	12	13	14	15
1	WOODBINE	MR	-	M651-46	Boyer River	1,000	0	
		12	-	-		1.000	-	
2	WOODWARD	UM	-	M1,325-x-x	Ditch to Des Moines River	920E	7	
		11	-	-		50E	-	
3	CEDAR RAPIDS	UM	-	M1,399-35-	Hoosier Creek to	x	7	
	Col. Twp. High Sch.	10	-	-x-x	Iowa River	x	-	
4	CHEROKEE	MR	-	M693.5-144	Little Sioux River	1,880	7	
	State Hospital	12	-	-		400	-	
5	COUNCIL BLUFFS	MR	-	M622.3-9	Mosquito Creek	400	0	
	School for Deaf	12	-	-		400	-	
6	ELDORA	UM	-	M1,399-155E	Beaver Creek to	x	7	
	School for Boys	10	-	-x-x	Iowa River	125E	-	
7	FORT MADISON	UM	-	M1,368	Mississippi River	1,100	0	
	State Penitentiary	11	-	-		1.100	-	
8	GLENWOOD	MR	-	M604.5-11	Keg Creek	2,000	7	
	State Hospital	12	-	-		200E	-	
9	INDEPENDENCE	UM	-	M1,470.8	Wapsipinicon River	2,300	8	
	Health Institute	8	-	-115E		x	-	
10	KNOXVILLE	UM	-	M1,325-95E	Whitebreast Creek to	2,100	7	
	Knoxville Vet. Hosp.	11	-	-x-x	Des Moines River	250	-	
11	MOUNT PLEASANT	UM	-	M1,360-x-x	Big Creek to Skunk River	2,200	7	
	Health Institute	11	-	-		x	-	
12	OAKDALE	UM	-	x	Ditch to Clear Creek to	845E	7	
	T. B. Sanitarium	10	-	-	Iowa River	37E	-	
13	ROCKWELL CITY	UM	-	M1,325-165E	Creek to Raccoon River	70E	7	
	Womens Reformatory	11	-	-x-x		5E	-	
14	WOODWARD	UM	-	x	Creek to Des Moines River	2,700E	7	
	State Hospital	11	-	-		700E	-	
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INVENTORY OF MUNICIPAL WASTE FACILITIES

STATE	YEAR	PAGE
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I O W A

Community or facility providing sewer service	Communities and/or facilities served
BURLINGTON	West Burlington
CEDAR RAPIDS	Marion
CLEAR LAKE S.D.	Ventura
DAVENPORT S.D.	Bettendorf
DES MOINES	Urbandale (thru Urbandale Windsor Hgts.S.D.) Urbandale-Windsor Hgts. S.D. West Des Moines Windsor Hgts. (thru Urbandale Windsor Hgts.S.D.)
IOWA CITY	Coralville
IOWA GREAT LAKES S.D.	Arnolds Park Milford Okoboji Orleans Spirit Lake
URBANDALE-WINDSOR HGTS. S.D.	Urbandale Windsor Hgts.

The data for this State have been collected with the helpful cooperation of the:

Kansas State Board of Health
Division of Sanitation

INVENTORY OF MUNICIPAL WASTE FACILITIES

STATE	YEAR	
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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	COUNTY	1960 Population	Estimated Population Served	TYPE SEWER SYSTEM	AVERAGE DAILY FLOW MGD	Des'd For Average Daily Flow MGD P.E. (1000's)	TREATMENT FACILITIES TREATMENT	LINE NO.
1	2	3	4	5	6	7	8	
ABILENE	Dickinson	6,746 -	6,700 -	S -	1.200 -	0.600 6.000	ShGpApCmDcmhBo -	1
ALBERT	Barton	221 -	200 -	S -	0.010E -	0.030 0.300	Lo -	2
ALMA	Wabunsee	838 -	800 -	S -	0.080E -	0.080 1.000	ShClFtrCpDoBo -	3
ALMENA	Norton	550 -	550 -	S -	0.060E -	0.100 1.000	ShClFtrCpBo -	4
ALTA VISTA	Wabunsee	400 -	350 -	S -	0.030E -	0.060 0.600	Lo -	5
ANDALE	Sedgwick	432 -	420 -	S -	0.040E -	0.050 0.500	ShClFtrCpBo -	6
* ANDOVER	Butler	186 -	1,090 -	S -	0.100E -	0.120 1.200	Lo (New plant under construction)	7
ANTHONY	Harper	2,744 -	2,740 -	S -	0.280E -	0.350 2.800	ShCmFtrCmDfhrBo -	8
ARGONIA	Sumner	553 -	550 -	S -	0.060E -	0.070 0.550	ShClFsBo -	9
ARKANSAS CITY	Cowley	14,262 -	14,250 -	S -	1.400E -	2.000 32.500	SgGmCmFthCmDfrtBo -	10
ARLINGTON	Reno	466 -	420 -	S -	0.040E -	0.050 0.650	ShClFtrCpBoLo -	11
ASHLAND	Clark	1,312 -	1,250 -	S -	0.090E -	0.130 2.000	ShClFtrCpBo -	12
ATCHISON	Atchison	12,529 -	13,000 -	SC -	x -	- -	None (New plant under construction)	13
ATTICA	Harper	845 -	800 -	S -	0.080E -	0.040 0.650	ClFsBo -	14
ATWOOD	Rawlins	1,906 -	1,900 -	S -	0.190E -	0.250 2.500	ShLo -	15
AUGUSTA	Butler	6,434 -	6,400 -	S -	1.000 -	1.450 10.000	ShGhCmFtrCmDcrtBo -	16
AXTELL	Marshall	493 -	500 -	S -	0.030E -	0.040 0.670	ShClFtrBo -	17
BALDWIN CITY	Douglas	1,877 -	1,870 -	S -	0.150E -	0.160 2.940	ShCmFtrCpDcptBo -	18
BAXTER SPRINGS	Cherokee	4,498 -	4,500 -	S -	0.450E -	- -	None (Lagoons under construction)	19
BAZINE	Ness	429 -	400 -	S -	0.040E -	0.040 0.150	ClFsBo -	20
BELLE PLAINE	Sumner	1,579 -	1,570 -	S -	0.160E -	0.200 2.000	ShCmFtrCpDcpBo -	21
BELLEVILLE	Republic	2,940 -	2,900 -	S -	x -	0.400 4.000	SchCmFtrCpDcrtBo -	22
BELOIT	Mitchell	3,837 -	3,600 -	S -	x -	0.500 5.000	SchGhCmDcptBo -	23
BENNINGTON	Ottawa	535 -	510 -	S -	0.030E -	0.040 0.400	ShClFtrCpBo -	24
BENTON	Butler	452 -	400 -	S -	0.040E -	0.090 0.900	ShClFtrCpLoBo -	25
BIRD CITY	Cheyenne	678 -	650 -	S -	0.060E -	0.100 1.000	ShClFtrCpBo -	26
BISON	Rush	291 -	300 -	S -	0.030E -	0.040 0.375	ShClFtrCpBo -	27
BLUE RAPIDS	Marshall	1,426 -	1,250 -	S -	0.090E -	0.200 2.000	ShClBo -	28
BONNER SPRINGS	Wyandotte	3,171 -	3,120 -	S -	0.300E -	0.520 5.570	SchGhCmDfpBo -	29
BREWSTER	Thomas	317 -	300 -	S -	0.030E -	0.040 0.400	ShClLoBo -	30

INVENTORY OF MUNICIPAL WASTE FACILITIES

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LINE NO	COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	DRAINAGE BASIN Maj. Min.	DRAINAGE BASIN Sub.	WATER-COURSE MILEAGE	DISCHARGE TO	P.E. (BOD) UN-TREATED WASTE / DIS-CHARGED WASTE	Pollution Abatement Needs	REMARKS
	9	10	10a	11	12	13	14	15
1	ABILENE	MR 11	x -	KR169.2- 64.8	Smoky Hill River	9,800E 7,800E	4 -	
2	ALBERT	SM 2	x -	A868-26 -	Walnut Creek	200E x	7 -	
3	ALMA	MR 11	x -	K101.5-18.0 -	Mill Creek	800E 200E	7 -	
4	ALMENA	MR 11	x -	KL169.2- 239.8-49.6	Prairie Dog Creek	500E 150E	7 -	
5	ALTA VISTA	MR 11	x -	K100-45 -	Timber Creek	350E x	7 -	
6	ANDALE	SM 2	x -	A739-55 -	A dry creek to Cowskin Creek	420E 130E	7 -	
7	* ANDOVER	SM 2	x -	A760-17 -	Dry tributary and Arkansas River	1,090E x	7 -	
8	ANTHONY	SM 2	x -	A638-20-27 L44-2	Spring Creek	2,700E 800E	7 -	
9	ARGONIA	SM 2	x -	A638-20 R27-37	Chikaskia River	550E 240E	4 -	
10	ARKANSAS CITY	SM 2	x -	A705 -	Arkansas River	14,250E 2,900E	7 -	
11	ARLINGTON	SM 2	x -	A736-R54 -43-4	North Fork of Ninnescah River	420E 45E	7 -	
12	ASHLAND	SM 7	x -	C236-12 -	Bear Creek	1,250E 310E	5 -	
13	ATCHISON	MR 12	x -	M434.5 -	Missouri River	30,000 30,000	0 -	
14	ATTICA	SM 2	x -	x -	Dry Branch	800E 300E	2 -	
15	ATWOOD	MR 11	x -	* -	Beaver Creek	1,900E 1,200E	7 -	*KL169.2-258.0-12.3-135.7
16	AUGUSTA	SM 2	x -	A703.6- 76.3-0.4	Whitewater River	8,500E 1,800E	7 -	
17	AXTELL	MR 11	x -	K142.5-48.1 -24.4-16.3	Tributary to Black Vermillion River	500E 160E	2 -	
18	BALDWIN CITY	MR 4	x -	O390-10-15 -	Tavy Creek	1,870E 190E	7 -	
19	BAXTER SPRINGS	SM 4	x -	N140-22 -	Spring River	4,500E 4,500E	0 -	
20	BAZINE	SM 2	x -	A873.5-76 -	Walnut Creek	400E 200E	4A 5	
21	BELLE PLAINE	SM 2	x -	A737-12 -	Ninnescah River	1,570E 470E	7 -	
22	BELLEVILLE	MR 11	x -	KL169.2- 90.7-20.4	Tributary to Salt Creek	2,900E 820E	7 -	
23	BELOIT	MR 11	x -	KR169.2- 85.4-130.6	Solomon River	4,800E 3,400E	7 -	
24	BENNINGTON	MR 11	x -	KR169.2- 85.4-38	Solomon River	510E 160E	1 -	
25	BENTON	SM 2	x -	A703.6-94 -16-3	Tributary to Walnut River	400E x	7 -	
26	BIRD CITY	MR 11	x -	x -	Tributary to Beaver Creek	650E 195E	7 -	
27	BISON	SM 2	x -	A868-38-5 -	Dry Creek	300E 40E	7 -	
28	BLUE RAPIDS	MR 11	x -	K142.5-59.5 -	Big Blue River	1,250E 750E	7 -	
29	BONNER SPRINGS	MR 11	x -	K20.2 -	Kansas River	4,470E 2,200E	7 -	
30	BREWSTER	MR 11	x -	KL169.2-258 -107.8-78	South Fork of Sappa Creek	300E 60E	7 -	

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	COUNTY	1960 Population	Estimated Population Served	TYPE SEWER SYSTEM	AVERAGE DAILY FLOW MGD	Des'd for Average Daily Flow MGD P.E. (1000's)	TREATMENT FACILITIES TREATMENT	LINE NO.
1	2	3	4	5	6	7	8	
BUCKLIN	Ford	752 -	720 -	S -	0.060E -	0.070 1.000	ClFtrBo -	1
BUHLER	Reno	888 -	950 -	S -	0.090E -	0.120 1.200	ShClFtrCpBo -	2
BURLINGAME	Osage	1,151 -	1,000 -	S -	0.070E -	0.080 1.500	ClFtrCpBo -	3
BURLINGTON	Coffey	2,113 -	2,100 -	S -	0.150E -	0.320 3.570	ShCmFtrCmDeptZxBoXd -	4
BURNS	Marion	314 -	450 -	S -	0.050E -	0.070 0.700	Lo -	5
BURRTON	Harvey	774 -	770 -	S -	0.090E -	0.090 6.900	ShCmFtrCpBo -	6
BUSHTON	Rice	499 -	475 -	S -	0.040E -	0.070 0.700	ShClFtrCpBo -	7
BUTLER COUNTY S. D. # 2	Butler	- -	(310) -	S -	0.030E -	- -	See Andover -	8
BUTLER COUNTY S. D. # 3	Butler	- -	(250) -	S -	0.020E -	- -	See Andover -	9
BUTLER COUNTY S. D. # 4	Butler	- -	(100) -	S -	0.010E -	- -	See Andover -	10
BUTLER COUNTY S. D. # 5	Butler	- -	165 -	S -	0.010E -	0.060 0.600	Lo -	11
CALDWELL	Sumner	1,788 -	1,750 -	S -	0.190E -	0.300 2.400	ShClFtrCpBo -	12
CANEY	Montgomery	2,682 -	2,500 -	S -	0.250E -	0.350 3.500	ShGcCmFtrCmDbertBoo -	13
CANTON	McPherson	784 -	700 -	S -	0.060E -	0.050 0.600	ClFtrCpBo -	14
CEDAR VALE	Chautauqua	859 -	600 -	S -	0.060E -	0.060 0.300	ClFtrCpBo -	15
CHANUTE	Neosho	10,849 -	10,000 -	S -	x -	1.460 13.200	ShGbCmFtrCmDchrBo -	16
CHAPMAN	Dickinson	1,095 -	1,050 -	S -	0.090E -	0.080 1.200	x -	17
CHASE	Rice	922 -	700 -	S -	0.060E -	0.100 2.000	ShClFtrCpBo -	18
CHASE MANOR	Johnson	400 -	400 -	S -	x -	0.050 0.500	ShCpAcCpAcCpDep -	19
CHENEY	Sedgwick	1,101 -	1,000 -	S -	0.100E -	0.200 2.000	ScCmFtrCpDctBo -	20
CHERRYVALE	Montgomery	2,783 -	2,600 -	S -	0.250E -	0.250 4.500	ShClFtnCpLoDeptBo -	21
CHETOPA	Labette	1,538 -	1,500 -	S -	0.080E -	0.230 1.920	Lo -	22
CIMARRON	Gray	1,115 -	900 -	S -	0.070E -	0.250 1.500	ShClFtrCpBo -	23.
CLAFLIN	Barton	891 -	850 -	S -	0.090E -	0.070 0.550	ShClFtrLoBo -	24
CLAY CENTER	Clay	4,613 -	4,400 -	S -	0.430E -	0.900 9.000	GhCmDchprtBo -	25
CLEARWATER	Sedgwick	1,073 -	1,100 -	S -	0.110E -	0.060 1.000	ShClFtrCpLoBo -	26
CLIFTON	Washington	746 -	600 -	S -	0.050E -	0.040 0.520	ClBo -	27
CLYDE	Cloud	1,025 -	960 -	S -	0.080E -	0.110 1.100	Lo -	28
COFFEYVILLE	Montgomery	17,382 -	18,000 -	S -	2.600 -	3.000 40.000	ShGmCmFthCmFthCmDchrtBo -	29
COLBY	Thomas	4,210 -	4,000 -	S -	0.400E -	0.500 5.000	SchGhCmFtrCmDchoprtBo -	30

INVENTORY OF MUNICIPAL WASTE FACILITIES

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LINE NO.	COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	DRAINAGE BASIN		WATER-COURSE MILEAGE	DISCHARGE TO	P.E. (BOD) UN-TREATED WASTE / DIS-CHARGED WASTE	Pollution Abatement Needs	REMARKS
		Maj. Min.	Sub.					
	9	10	10a	11	12	13	14	15
1	BUCKLIN	SW 2	x -	x -	Rattlesnake Creek	720E 280E	1a 5	
2	BUHLER	SW 2	x -	A774.5-62.0 -	Little Arkansas River	950E 230E	7 -	
3	BURLINGAME	SW 14	x -	0424.7-30- -	Switzler Creek	1,000E 300E	5 -	
4	BURLINGTON	SW 4	x -	N537 -	Neosho River	2,400E 500E	7 -	
5	BURNS	SW 4	x -	N383-95 -15-x	Dry tributary of Avery Creek	450E x	7 -	
6	BURRTON	SW 2	x -	A774.5-30 -7.4-9.4	Kisiwa Creek	770E 290E	5 -	
7	BUSHTON	SW 2	x -	A821-56-7 -	Tributary to Plum Creek	475E 95E	7 -	
8	BUTLER COUNTY S. D. # 2	SW 2	x -	- -	Dry tributary Arkansas River	- -	- -	
9	BUTLER COUNTY S. D. # 3	SW 2	x -	- -	Dry tributary Arkansas River	- -	- -	
10	BUTLER COUNTY S. D. # 4	SW 2	x -	- -	Dry tributary Arkansas River	- -	- -	
11	BUTLER COUNTY S. D. # 5	SW 2	x -	A703.6-91 -	Tributary of Walnut River	165E x	7 -	
12	CALDWELL	SW 2	x -	A638-R20 L48-10-4	Fall Creek	1,750E 350E	7 -	
13	CANEY	SW 3	x -	x -	Little Caney Creek	2,500E 400E	7 -	
14	CANTON	SW 4	x -	x -	Tributary to Cottonwood Creek	700E 200E	4 -	
15	CEDAR VALE	SW 3	x -	V78.3- 132.5-3.0	Cedar Creek	600E 300E	4 -	
16	CHANUTE	SW 4	x -	N270 -	Neosho River	10,000E 2,500E	7 -	
17	CHAPMAN	MR 11	x -	KR169.2- 37.8	Smoky Hill River	1,050 790	7 -	
18	CHASE	SW 2	x -	A813.3-53.7 -4.2	Spring Creek to Cow Creek	700E 150E	7 -	
19	CHASE MANOR	MR 11	x -	K3.2-10 -	Turkey Creek	400E 230E	7 -	
20	CHENEY	SW 2	x -	A737-39 -	Ninnescah River	1,000E 200E	7 -	
21	CHERRYVALE	SW 3	x -	V190.9-8- 0.8	Dry tributary to Drum Creek	2,600E 650E	5 -	
22	CHETOPA	SW 4	x -	N170 -	Neosho River	1,300E x	7 -	
23	CIMARRON	SW 2	x -	A990 -	Arkansas River	900E 200E	7 -	
24	CLAFLIN	SW 2	x -	x -	Mud Creek	850E 210E	5 -	
25	CLAY CENTER	MR 11	x -	KL169.2- 42.1	Republican River	4,600E 2,400E	7 -	
26	CLEARWATER	SW 2	x -	A737-35 -	Ninnescah River	1,100E 220E	7 -	
27	CLIFTON	MR 11	x -	KL169.2- 69.5	Republican River	625E 360E	1 -	
28	CLYDE	MR 11	x -	KL169.2- 81.8	Republican River	960E x	7 -	
29	COFFEYVILLE	SW 3	x -	V163.2 -	Verdigris River	38,000E 5,700E	7 -	
30	COLBY	MR 11	x -	KL169.2- 239.8-157	Prairie Dog Creek	4,000E 800E	7 -	

INVENTORY OF MUNICIPAL WASTE FACILITIES

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	COUNTY	1960 Population	Estimated Population Served	TYPE SEWER SYSTEM	AVERAGE DAILY FLOW MGD	Des'd For Average Daily Flow MGD / P.E. (1000's)	TREATMENT FACILITIES TREATMENT	LINE NO.
1	2	3	4	5	6	7	8	
COLDWATER	Commanche	1,164 -	1,150 -	S -	0.080E -	0.140 1.500	ShClFtrCpBo -	1
COLUMBUS (North)	Cherokee	3,395 -	1,725 -	S -	0.130 -	0.150 2.500	ShGpCmFtrCpDepBo -	2
COLUMBUS (South)	Cherokee	- -	1,725 -	S -	0.130E -	0.150 2.500	ShGpCmFtrCpDepBo -	3
COLWICH	Sedgwick	703 -	690 -	x -	0.070E -	0.060 0.600	SgCmFtrCmDepBo -	4
CONCORDIA	Cloud	7,022 -	7,000 -	S -	1.000 -	1.580 15.600	SchGhCmDefhrBo -	5
CONWAY SPRINGS	Sumner	1,057 -	1,055 -	S -	0.100E -	0.070 1.000	ShClFtrCpLoBo -	6
COTTONWOOD FALLS	Chase	971 -	950 -	S -	0.100E -	0.150 1.500	Lo -	7
COUNCIL GROVE	Morris	2,664 -	2,400 -	S -	0.270E -	0.220 2.880	ShCmFtrCpDpBo -	8
CUNNINGHAM	Kingman	618 -	600 -	S -	0.060E -	0.060 0.750	ShCmFtrCmDepBo -	9
DAMAR	Rooks	361 -	280 -	S -	0.030E -	0.060 0.555	Lo -	10
DEERFIELD	Kearny	442 -	400 -	S -	x -	- -	None -	11
DELPHOS	Ottawa	619 -	600 -	S -	0.050E -	0.100 1.000	ShClFtrCpBo -	12
DERBY	Sedgwick	6,458 -	5,400 -	S -	0.600E -	1.200 8.000	ShGhCmDrBo -	13
DE SOTO	Johnson	1,371 -	1,200 -	S -	0.090E -	0.150 1.500	ShClBo -	14
DIGHTON	Lane	1,526 -	1,400 -	S -	0.100E -	0.060 0.780	ShClFeBo -	15
DODGE CITY	Ford	13,520 -	13,700 -	S -	1.500E -	3.000 19.000	SgCmFtrCmDefmprtBo -	16
DOUGLASS	Butler	1,058 -	1,000 -	S -	0.100E -	0.140 1.200	ShClFtrCpBo -	17
DOWNS	Osborne	1,206 -	1,100 -	S -	0.110E -	0.150 1.500	ShClFtrCpBo -	18
EASTBOROUGH	Sedgwick	1,001 -	(1,000) -	S -	0.150E -	- -	See Wichita -	19
EL DORADO	Butler	12,523 -	12,000 -	S -	1.800 -	2.250 18.000	SgCmFtrCmZiVv -	20
ELGIN	Chautauqua	148 -	150 -	S -	0.020E -	0.020 0.200	ClBo -	21
ELK CITY	Montgomery	498 -	350 -	S -	0.060E -	0.080 0.800	ShClLoBo -	22
ELKHART	Morton	1,780 -	1,500 -	S -	0.160E -	0.280 2.000	ShLo -	23
ELLINWOOD	Barton	2,729 -	2,900 -	S -	0.290E -	0.480 4.700	ShCmFthCpDert -	24
ELLIS	Ellis	2,218 -	2,100 -	S -	0.210E -	0.510 4.000	ShClFtrCpBo -	25
ELLSWORTH	Ellsworth	2,361 -	2,500 -	S -	0.200E -	0.130 1.800	ShClFtrCpBo -	26
EMPORIA	Lyon	18,190 -	18,200 -	S -	2.500E -	2.000 20.000	ShGmCmFtrDefhprtBo -	27
ENTERPRISE	Dickinson	1,015 -	850 -	S -	0.070E -	0.100 1.000	ShClBo -	28
ERIE	Neosho	1,309 -	1,500 -	S -	0.300E -	1.220 7.500	ShLo -	29
EUDORA	Douglas	1,526 -	1,530 -	S -	0.100E -	0.080 1.500	ShClBo -	30

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LINE NO.	COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	DRAINAGE BASIN Maj. Min.	DRAINAGE BASIN Sub.	WATER-COURSE MILEAGE	DISCHARGE TO	P.E. (BOD) UN-TREATED WASTE DIS-CHARGED WASTE	Pollution Abatement Needs	REMARKS
	9	10	10a	11	12	13	14	15
1	COLDWATER	SM 7	x -	C306-R1-14 -	Dry tributary to Calvary Creek	1,150E 300E	7 -	
2	COLUMBUS (North)	SM 4	x -	x -	Tributary tc Brush Creek	1,725E 430E	7 -	
3	COLUMBUS (South)	SM 4	x -	x -	Tributary to Brush Creek	1,725E 430E	7 -	
4	COLWICH	SM 2	x -	A740-48 -	Cowskin Creek	690E 190E	1 -	
5	CONCORDIA	MR 11	x -	KL169.2- 102.4	Republican River	11,800E 7,200E	7 -	
6	CONWAY SPRINGS	SM 2	x -	A716-41 -	Dry tributary to Slate Creek	1,055E 270E	1 -	
7	COTTONWOOD FALLS	SM 4	x -	NL383-53 -	Cottonwood River	950E x	7 -	
8	COUNCIL GROVE	SM 4	x -	N448 -	Neosho River	3,500E 1,000E	4 -	
9	CUNNINGHAM	SM 2	x -	A737-L51-45 -	Dry tributary to South Fork of Ninnescah River	600E 140E	7 -	
10	DAMAR	MR 11	x -	* -	Dry tributary to Solomon River	280E x	7 -	*KR169.2-84-171.6-101
11	DEERFIELD	SM 2	x -	A1035 -	Arkansas River	400E 400E	0 -	
12	DELPHOS	MR 11	x -	KR169.2- 85.4-81.6	Henry Creek	600 100	5 -	
13	DERBY	SM 2	x -	A760 -	Arkansas River	5,400E 1.820E	7 -	
14	DE SOTO	MR 11	x -	K30 -	Kansas River	1,200E 800E	7 -	
15	DIGHTON	SM 2	x -	A868.7-136 -	Walnut Creek	1,400E 540E	4 -	
16	DODGE CITY	SM 2	x -	A973 -	Arkansas River	20,000E 3.500E	7 -	
17	DOUGLASS	SM 2	x -	A703.6-59.5 -	Walnut River	1,000E 200E	7 -	
18	DOWNS	MR 11	x -	KR169.2- 171.6-11.5	North Fork of Solomon River	1,200E 300E	7 -	
19	EASTBOROUGH	SM 2	x -	- -	Arkansas River	- -	- -	
20	EL DORADO	SM 2	x -	A703.6-94.0 -	Walnut River	16,000E 2.400E	7 -	
21	ELGIN	SM 3	x -	V78.3-132.5 -114.5	Caney River	150E 100E	5 -	
22	ELK CITY	SM 3	x -	V197.9-24.7 -	Elk River	350E x	7 -	
23	ELKHART	SM 8	x -	- -	(Evaporation ponds)	1,500E 0E	7 -	
24	ELLINWOOD	SM 2	x -	A861.2 -	Arkansas River	2,900E 440E	7 -	
25	ELLIS	MR 11	x -	KR169.2- 292.1-44.0	Big Creek	2,100E 250E	7 -	
26	ELLSWORTH	MR 11	x -	KR169.2- 238.3	Smoky Hill River	2,500E 700E	1& 5	
27	EMPORIA	SM 4	x -	NL383-12 -	Cottonwood River	20,000E 3,000E	7 -	
28	ENTERPRISE	MR 11	x -	KR169.2 55.4	Smoky Hill River	850E 570E	7 -	
29	ERIE	SM 4	x -	N244 -	Neosho River	4,000E x	7 -	
30	EUDORA	MR 11	x -	K40.7-1 -	Wakarusa River	1,530E 1,100E	7 -	

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	COUNTY	1960 Population	Estimated Population Served	TYPE SEWER SYSTEM	AVERAGE DAILY FLOW MGD	Des'd For Average Daily Flow MGD P.E. (1000's)	TREATMENT FACILITIES TREATMENT	LINE NO.
1	2	3	4	5	6	7	8	
EUREKA	Greenwood	4,055 -	3,600 -	S -	0.400E -	0.400 4.000	ScCmFtrCpDchrBo -	1
FAIRVIEW	Brown	272 -	390 -	S -	0.030 -	0.060 0.600	Lo -	2
FAIRWAY	Johnson	5,398 -	(95,390) -	x -	0.500E -	- -	See Mission Twp. S.D. # 1	3
FLORENCE	Marion	853 -	850 -	S -	0.100E -	0.110 1.100	Lo -	4
FORT SCOTT	Bourbon	9,410 -	10,000 -	S -	1.300E -	0.900 11.000	ShGhCmFtrDfhrBo -	5
FOWLER	Meade	717 -	500 -	S -	0.040E -	0.100 1.000	ShCiFtrCpLoBo -	6
FRANKFORT	Marshall	1,106 -	1,100 -	S -	0.080E -	0.170 1.700	ShLo -	7
FREDONIA	Wilson	3,233 -	3,500 -	S -	0.450E -	0.500 5.000	ScCiFtrCpBo -	8
FRONTENAC	Crawford	1,713 -	1,800 -	S -	0.300 -	0.130 0.500	CiFeBo -	9
GALENA	Cherokee	3,827 -	3,800 -	S -	0.400E -	- -	None -	10
GALVA	McPherson	442 -	450 -	S -	x -	0.040 0.700	CiFsBo -	11
GARDEN CITY	Finney	11,811 -	11,000 -	S -	1.400E -	2.240 20.000	SgGmCmFtrCmDcrtBo -	12
GARDEN PLAIN	Sedgwick	560 -	500 -	S -	0.050E -	0.030 0.600	ShGmCiFtrCmDopBo -	13
GARDNER	Johnson	1,619 -	1,400 -	S -	0.110E -	0.250 2.500	ScCmFtrCmDcpt -	14
GARFIELD	Pawnee	278 -	200 -	S -	0.020E -	0.070 0.500	ShCiFtrCpBo -	15
GARNETT	Anderson	3,034 -	3,000 -	S -	x -	0.210 1.500	ShCmFtrCpDcpBo -	16
GAYLORD	Smith	239 -	200 -	S -	0.020E -	0.040 0.450	ShCiFtrCpBo -	17
GEARY COUNTY S. D. # 1, 2, and 3	Geary	- -	400 -	S -	0.040E -	0.060 0.600	Lo -	18
GENESEO	Rice	558 -	600 -	S -	0.050E -	0.060 0.750	ShCiFtrCpBo -	19
GEUDA SPRINGS	Sumner	223 -	180 -	S -	0.020E -	0.030 0.300	Lo -	20
GIRARD	Crawford	2,350 -	2,300 -	S -	0.250 -	0.290 2.900	ShCmFtrCmDcopBo -	21
GLASCO	Cloud	812 -	800 -	S -	0.070 -	0.090 0.900	ShCiFtrCpBo -	22
GLENWOOD HEIGHTS	Johnson	1,170 -	(1,170) -	S -	x -	- -	See Mission Twp. S. D. # 2 -	23
GODDARD	Sedgwick	533 -	490 -	S -	0.040E -	0.030 0.600	ShCiFtrCmDopBo -	24
GOESSEL	Marion	327 -	300 -	S -	0.020E -	0.040 0.500	ShCiLo -	25
GOODLAND	Sherman	4,459 -	4,400 -	S -	0.440E -	0.450 6.000	ShGhCmDchrtBoLo -	26
GORHAM	Russell	429 -	400 -	S -	0.030E -	0.060 0.600	Lo -	27
GRAINFIELD	Gove	389 -	360 -	S -	0.030 -	0.060 0.500	Lo -	28
GREAT BEND	Barton	16,670 -	17,000 -	S -	1.700 -	2.100 21.000	ScCmFtrCmDcrt -	29
GREENSBURG	Kiowa	1,988 -	1,600 -	S -	0.160 -	0.300 3.000	ShCiFtrCpBo -	30

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LINE NO.	COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	DRAINAGE BASIN		WATERCOURSE MILEAGE	DISCHARGE TO	P.E. (BOD)	Pollution Abatement Needs	REMARKS
		Maj. Min.	Sub.			UN-TREATED WASTE DIS-CHARGED WASTE		
	9	10	10a	11	12	13	14	15
1	EUREKA	SW 9	x -	V215.3-81.9 -	Fall River	3,600E 920E	7 -	
2	FAIRVIEW	MR 12	x -	x -	Walnut Creek	390E x	7 -	
3	FAIRWAY	MR 11	x -	- -	Turkey Creek	- -	- -	
4	FLORENCE	SW 4	x -	NL383-106 -0.1	Doyle Creek	850E x	7 -	
5	FORT SCOTT	MR 14	x -	O273.5- 18.2-32.2	Marmaton River	20,000E 8,000E	1& 2	
6	FOWLER	SW 7	x -	C349-54 -	Crooked Creek	500E 50E	7 -	
7	FRANKFORT	MR 11	x -	* -	Black Vermillion River	1,100E x	7 -	*K142.5-138.9-48.1-12.0
8	FREDONIA	SW 3	x -	V215.3-26.0 -	Fall River	3,500E 550E	7 -	
9	FRONTENAC	SW 4	x -	N130-39-R15 -	Cow Creek	1,800E 900E	2 -	
10	GALENA	SW 4	x -	N130-31-2 -	Short Creek	3,800E 3.800E	0 -	
11	GALVA	SW 2	x -	A774.5-22.9 -3.8-2.3	Dry Creek	450E 60E	7 -	
12	GARDEN CITY	SW 2	x -	A1,034.2 -	Arkansas River	15,000E 2,200E	7 -	
13	GARDEN PLAIN	SW 2	x -	A737-44-10 -	Dry tributary to Polecat Creek	500E 100E	7 -	
14	GARDNER	MR 14	x -	O360.2-35 -	Dry tributary to Bull Creek	1,400E 210E	7 -	
15	GARFIELD	SW 2	x -	A908-1 -	Coon Creek	200E 30E	7 -	
16	GARNETT	MR 14	x -	O367.3-31.2 -	Tributary to Pottawatomie Creek	3,500E 1.000E	1 -	
17	GAYLORD	MR 11	x -	* -	North Fork of Solomon River	200E 30E	5 -	*KR169.2-84.5-171-42.9
18	GEARY COUNTY S. D. # 1, 2, and 3	MR 11	x -	x -	Old Channel and Smoky Hill River	400E x	7 -	
19	GENESEO	SW 2	x -	A774.5 -100.3	Tributary to Little Arkansas River	600E 100E	5 -	
20	GEUDA SPRINGS	SW 2	x -	A715-1 -	Salt Creek	180E x	7 -	
21	GIRARD	SW 4	x -	N180-42 -	Thunderbolt Creek	2,600E 380E	7 -	
22	GLASCO	MR 11	x -	KR169.2- 85.4-92.7	Solomon River	900E 180E	7 -	
23	GLENWOOD HEIGHTS	MR 12	x -	- -	Indian Creek	- -	- -	
24	GODDARD	SW 2	x -	A740-41 -	Dry tributary to Cowskin Creek	490E 75E	7 -	
25	GOESSEL	SW 2	x -	A774.5- 27.3-19.3	Dry tributary to Middle Emma Creek	300E 30E	7 -	
26	GOODLAND	MR 11	x -	* -	North Fork of Sappa Creek	4,300E 660E	7 -	*KL169.2-258.0-107.8-99.0
27	GORHAM	MR 11	x -	x -	Dry tributary of Walker Creek	400E x	7 -	
28	GRAINFIELD	MR 11	x -	x -	Dry tributary of Saline River	360E x	7 -	
29	GREAT BEND	SW 2	x -	A873.2 -	Arkansas River	19,000E 2.700E	7 -	
30	GREENSBURG	SW 2	x -	A843-104 -	Rattlesnake Creek	1,600E 240E	7 -	

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	COUNTY	1960 Population	Estimated Population Served	TYPE SEWER SYSTEM	AVERAGE DAILY FLOW MGD	TREATMENT FACILITIES: Des'd For Average Daily Flow MGD P.E. (1000's)	TREATMENT FACILITIES: TREATMENT	LINE NO.
1	2	3	4	5	6	7	8	
GREENLEAF	Washington	562 -	600 -	S -	0.060E -	0.080 0.800	ShCiFtrCpBo -	1
GYPSUM	Saline	593 -	530 -	S -	0.060E -	0.080 0.800	ShCiCp -	2
HALSTEAD	Harvey	1,598 -	1,600 -	S -	0.160E -	0.250 2.500	ScCmFtrCmDeBo -	3
HAMILTON	Greenwood	400 -	350 -	S -	0.030E -	0.050 0.300	CiFsP -	4
HANOVER	Washington	773 -	650 -	S -	0.060E -	0.120 1.320	ShCiBo -	5
HARDTNER	Barber	372 -	400 -	S -	0.030E -	0.050 0.500	ShCiFtrCpBo -	6
HARPER	Harper	1,899 -	1,850 -	S -	0.180E -	0.100 2.100	ShCiFtrCpBo -	7
HAVEN	Reno	982 -	980 -	S -	0.100E -	0.120 1.200	CiFtrCpBo -	8
HAVILAND	Kiowa	725 -	750 -	S -	0.040E -	0.100 1.000	ShCmDeptLo -	9
HAYS South Plant	Ellis	11,947 -	3,500 -	S -	0.350 -	0.360 3.300	ScCmFtrCpDcmhrBo -	10
HAYS Southeast Plant	Ellis	- -	8,000 -	S -	1.000E -	1.350 8.000	SchCmFtrCmDchrBo -	11
HAYSVILLE	Sedgwick	5,836 -	5,800 -	S -	0.580E -	0.400 4.000	SchCiFtrCpBo -	12
HERINGTON	Dickinson	3,702 -	3,700 -	S -	0.410E -	0.520 3.000	SmCmAaCmDchrBo -	13
HERNDON	Rawlins	339 -	300 -	S -	0.030E -	0.040 0.400	Lo -	14
HESSTON	Harvey	1,103 -	1,100 -	S -	0.200E -	0.200 2.000	ShCmFtrCpBo -	15
HIAWATHA	Brown	3,391 -	2,500 -	S -	0.290E -	0.540 4.000	ScCmFtrCmDchrtBo -	16
HIGHLAND	Doniphan	755 -	720 -	S -	0.070E -	0.090 0.900	Lo -	17
HILL CITY	Graham	2,421 -	2,400 -	S -	0.210E -	0.180 1.800	ShCiFtrCpLoBo -	18
HILLSBORO	Marion	2,441 -	2,400 -	S -	0.220E -	0.250 1.700	ShCmFtnCpDeptBo -	19
HOISINGTON	Barton	4,248 -	4,200 -	S -	0.420E -	0.550 5.500	ShCiFtrCmBo -	20
HOLTON	Jackson	3,028 -	2,900 -	S -	0.200E -	0.350 3.500	ScCmFtrCmDeptBo -	21
HOLYROOD	Ellsworth	737 -	600 -	S -	0.060E -	0.070 0.700	ShCiFtrCpBo -	22
HOPE	Dickinson	463 -	460 -	S -	0.030 -	0.060 0.600	ShCiFtrCpBo -	23
HORTON	Brown	2,361 -	2,400 -	S -	0.240E -	0.400 4.000	ScCmFtrCmDeptBo -	24
HOWARD	Elk	1,017 -	1,000 -	S -	0.080E -	0.170 1.700	CmFtrCpDpBo -	25
HOXIE	Sheridan	1,289 -	1,200 -	S -	0.120E -	0.120 1.200	ShCiFtrBo -	26
HUDSON	Stafford	201 -	175 -	S -	0.010E -	0.030 0.400	ShCiFtrCpLoBo -	27
HUGOTON	Stevens	2,912 -	2,700 -	S -	0.260E -	0.360 4.500	ShCmFtrCmDepBoLo -	28
HUMBOLDT	Allen	2,285 -	1,975 -	S -	0.300 -	0.350 2.500	CiFtrCpBo -	29
HUTCHINSON	Reno	37,574 -	37,000 -	S -	5.000 -	12.500 72.000	ScGhCmFtrCmDcrst -	30

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LINE NO.	COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	DRAINAGE BASIN Maj. Min.	DRAINAGE BASIN Sub.	WATER-COURSE MILEAGE	DISCHARGE TO	P.E. (BOD) UN-TREATED WASTE DIS-CHARGED WASTE	Pollution Abatement Needs	REMARKS
	9	10	10a	11	12	13	14	15
1	**GREENLEAF**	MR 11	x -	* -	Dry tributary of Coon Creek	600E 90E	7 -	*K142.5-138.9-7.5-24.0
2	**GYPSUM**	MR 11	x -	KR169.2-91 -16	Gypsum Creek	530E 200E	7 -	
3	**HALSTEAD**	SM 2	x -	A774.5-34.3 -	Little Arkansas River	1,600E 240E	7 -	
4	**HAMILTON**	SM 3	x -	VL280-14 -	Willow Creek	350E 90E	7 -	
5	**HANOVER**	MR 11	x -	K142.5- 138.9-26.4	Little Blue River	650E 430E	7 -	
6	**HARDTNER**	SM 2	x -	x -	Driftwood Creek	400E 90E	7 -	
7	**HARPER**	SM 2	x -	A638-20-91 -15	Sand Creek	1,850E 290E	1 -	
8	**HAVEN**	SM 2	x -	A801.7-7.3 -	Dry Creek	980E 200E	7 -	
9	**HAVILAND**	SM 2	x -	- -	Lagoons	750E 450E	7 -	
10	**HAYS** South Plant	MR 11	x -	KR169.2- 292.1-25.0	Big Creek	3,500E 630E	7 -	
11	**HAYS** Southeast Plant	MR 11	x -	KR169.2- 292.1-24.5	Tributary to Big Creek	8,000E 1,500E	7 -	
12	**HAYSVILLE**	SM 2	x -	A740-20 -	Cowskin Creek	5,800E 1,000E	1 -	
13	**HERINGTON**	MR 11	x -	KR169.2- 14.0-37.0	Lime Creek	4,100E 1,100E	1 -	
14	**HERNDON**	MR 11	x -	* -	Beaver Creek	300E x	7 -	*KL169.2-258.0-12.3-116.5
15	**HESSTON**	SM 2	x -	A774.5-27.3 -4.6-12.0	Middle Emma Creek	2,250E 450E	7 -	
16	**HIAWATHA**	MR 12	x -	M496-34 -	Wolf River	2,500E 370E	7 -	
17	**HIGHLAND**	MR 12	x -	M492-5 -	Mission Branch Creek	720E x	7 -	
18	**HILL CITY**	MR 11	x -	* -	South Fork of Solomon River	2,400E 610E	1 -	*KR169.2-85.4-171.6-118.0
19	**HILLSBORO**	SM 4	x -	N383-128-6 -	Wall Creek	2,400E 480E	1 -	
20	**HOISINGTON**	SM 2	x -	A813.3-x -	Shop Creek	4,200E 840E	7 -	
21	**HOLTON**	MR 11	x -	K63.3-42.6 -11.6	Elk Creek	2,900E 440E	7 -	
22	**HOLYROOD**	SM 2	x -	A813.3-x -	Plum Creek	600E 130E	7 -	
23	**HOPE**	MR 11	x -	KL169-14-37 -	West Fork of Lyons Creek	460E 70E	5 -	
24	**HORTON**	MR 11	x -	K65.2-60 -	Little Delaware River	2,900E 435E	7 -	
25	**HOWARD**	SM 3	x -	E197.9-67.2 -	Paw Paw Creek	1,000E 250E	7 -	
26	**HOXIE**	MR 11	x -	* -	Sand Creek	1,200E 240E	2 -	*KR169.2-85.4-171.6-148.0-8.0
27	**HUDSON**	SM 2	x -	A842-R25-8 -	Dry tributary to Rattlesnake Creek	175E 20E	7 -	
28	**HUGOTON**	SM 7	x -	- -	Pond	2,700E x	7 -	
29	**HUMBOLDT**	SM 4	x -	N280 -	Neosho River	1,975E 490E	1 -	
30	**HUTCHINSON**	SM 2	x -	A818.5 -	Arkansas River	67,000E 10,000E	7 -	

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION 1	COUNTY 2	1960 Population 3	Estimated Population Served 4	TYPE SEWER SYSTEM 5	AVERAGE DAILY FLOW MGD 6	Des'd For Average Daily Flow MGD P.E. (1000's) 7	TREATMENT FACILITIES TREATMENT 8	LINE NO.
INDEPENDENCE	Montgomery	11,222 -	12,000 -	S -	1.350E -	1.500 8.000	ShCiFtnCpDopZaBo -	1
INDIAN CREEK S. D.	Johnson	- -	2,350 -	x -	x -	2.500 10.000	C FtC -	2
INMAN	McPherson	729 -	720 -	S -	0.060E -	0.070 0.750	ShCiFtrCpBo -	3
IOLA	Allen	6,885 -	6,600 -	S -	0.750E -	1.580 5.000	ShCiFtnCpBo -	4
JAMESTOWN	Cloud	422 -	400 -	S -	0.030E -	0.050 0.650	ShCiFtrCpBo -	5
JETMORE	Hodgeman	1,028 -	1,000 -	S -	0.080E -	0.150 1.500	ShCiFtrCpBo (Liquid sludge to farm lands)	6
JOHNSON CITY	Stanton	860 -	600 -	S -	0.050E -	0.100 1.000	ShCiFtrCpBoLo -	7
JUNCTION CITY	Greary	18,700 -	14,000 -	S -	1.300E -	1.800 18.000	SchCmDchprtBo -	8
KANSAS CITY	Wyandotte	121,901 -	66,000 -	C -	21.400 -	- -	None -	9
KANSAS CITY	Wyandotte	- -	41,000 -	C -	30.300 -	- -	None -	10
KENSINGTON	Smith	619 -	650 -	S -	0.070E -	0.100 1.000	ShCiFtrCpBo -	11
KINGMAN	Kingman	3,582 -	3,600 -	S -	0.360E -	0.370 3.700	ShCmFtrCpDchmprtBo -	12
KINSLEY	Edwards	2,263 -	1,800 -	S -	x -	- -	None -	13
KIOWA	Barber	1,674 -	1,500 -	S -	0.150E -	0.150 1.000	CiFsBo -	14
KISMET	Seward	150 -	200 -	S -	0.020E -	0.014 2.000	Lo -	15
LA CROSSE	Rush	1,767 -	1,750 -	S -	0.170E -	0.150 1.600	CiFtrCpBo -	16
LA CYGNE	Linn	810 -	500 -	S -	0.030E -	0.060 0.800	CiBo -	17
LAKE OF THE FOREST	Wyandotte	560 -	400 -	S -	0.030E -	- -	None -	18
LAKIN	KEARNY	1,432 -	1,200 -	S -	0.120E -	0.200 2.000	SchCmFtrCmDoptBo -	19
LANSING-Delaware Twp S. D. # 3	Leavenworth	- -	1,500 -	S -	0.150E -	0.150 1.500	Lo -	20
LARNED	Pawnee	5,001 -	5,000 -	S -	0.450E -	1.420 9.450	SgGhCmFtrCmDoptBo -	21
LAWRENCE	Douglas	32,858 -	32,800 -	S -	2.500 -	4.000 40.000	SgGmCmDfrtBo -	22
LEAVENWORTH	Leavenworth	22,052 -	22,000 -	S -	1.800E -	- -	None -	23
LEAWOOD	Johnson	7,466 -	(7,450) -	S -	0.600E -	- -	None (thru Kansas City, Missouri sewers)	24
LENEXA	Johnson	2,487 -	2,450 -	S -	0.170 -	0.200 2.000	ShCiFtrCpBo -	25
LENORA	Norton	512 -	540 -	x -	x -	0.070 0.850	Ft -	26
LEON	Butler	541 -	500 -	S -	0.050E -	0.050 0.750	ShCiFtrCpBo -	27
LEOTI	Wichita	1,401 -	1,000 -	S -	0.080E -	0.060 0.900	ShCiFtrCpBo -	28
LE ROY	Coffey	601 -	500 -	S -	0.060E -	0.080 0.800	CiFtrBo -	29
LEWIS	Edwards	486 -	200 -	S -	0.020E -	0.070 0.500	ShCiLoBo -	30

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LINE NO.	COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	DRAINAGE BASIN Maj. Min.	DRAINAGE BASIN Sub.	WATER-COURSE MILEAGE	DISCHARGE TO	P.E. (BOD) UN-TREATED WASTE DIS-CHARGED WASTE	Pollution Abatement Needs	REMARKS
	9	10	10a	11	12	13	14	15
1	INDEPENDENCE	SM 3	x -	V193-2 -	Rock Creek	12,000E 5,000E	4 -	
2	INDIAN CREEK S. D.	UM 10	- -	x -	Indian Creek	2,350 350	4 -	
3	INMAN	SM 2	x -	A774.5-51.2 -14.6-2.5	Dry Creek	770E 130E	7 -	
4	IOLA	SM 4	x -	N285.5-0.4 -	Elm Creek	6,600E 2.500E	4 -	
5	JAMESTOWN	MR 11	x -	KL169.2- 105.8-9	Buffalo Creek	600E 120E	7 -	
6	JETMORE	SM 2	x -	A897.4- L38-22	Buckner Creek	1,000E 150E	7 -	
7	JOHNSON CITY	SM 7	x -	- -	Pond	600E x	7 -	
8	JUNCTION CITY	MR 11	x -	KL169.2-4.2 -	Republican River and Smoky Hill River	15,300E 8.400E	7 -	
9	KANSAS CITY	MR 11	x -	K3.0 -	Kansas River	525,000 525.000	0 -	
10	KANSAS CITY	MR 12	x -	M380 -	Missouri River	124,300 124.300	0 -	
11	KENSINGTON	MR 11	x -	* -	Mid Cedar Creek	650E 100E	7 -	*K169.2-85.4-171.6-48.5-15
12	KINGMAN	SM 2	x -	A737-81 -	South Fork of Ninnescah River	3,600E 610E	7 -	
13	KINSLEY	SM 2	x -	A920 -	Arkansas River	1,800E 1.800E	0 -	
14	KIOWA	SM 2	x -	x -	Dry Creek	1,500E 750E	2 -	
15	KISMET	SM 7	x -	C400-x -	Dry tributary to Cimarron River	200E x	7 -	
16	LA CROSSE	SM 2	x -	A868-R42-13 -	Sand Creek	1,750E 800E	1 -	
17	LA CYGNE	MR 14	x -	O332.1 -	Marais des Cygnes River	500E 320E	2 -	
18	LAKE OF THE FOREST	MR 11	x -	K18 -	Kansas River	400E 400E	0 -	
19	LAKIN	SM 2	x -	A1001 -	Arkansas River	1,200E 180E	7 -	
20	LANSING-Delaware Twp S. D. # 3	MR 12	x -	M405-x -	Big Creek	1,500E x	7 -	
21	LARNED	SM 2	x -	A898 -	Arkansas River	6,500E 970E	7 -	
22	LAWRENCE	MR 11	x -	K50.2 -	Kansas River	34,000E 20.000E	7 -	
23	LEAVENWORTH	MR 12	x -	M408.4 -	Missouri River	22,000E 22,000E	0 -	
24	LEAWOOD	MR 12	x -	- -	Missouri River	- -	- -	
25	LENEXA	MR 12	x -	M368.7-26.0 -13	Tributary to Indian Creek	2,450E 370E	5 -	
26	LENORA	MR 11	- -	x -	North Solomon River	540 80	x -	
27	LEON	SM 2	x -	A703.6- 64.2-x	Little Walnut River	500E 100E	7 -	
28	LEOTI	SM 2	x -	x -	Dry Run	[illegible]000E 200E	1 -	
29	LE ROY	SM 4	x -	N320 -	Neosho River	500E 200E	2 -	
30	LEWIS	SM 2	x -	- -	Pond	200E x	7 -	

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	COUNTY	1960 Population	Estimated Population Served	TYPE SEWER SYSTEM	AVERAGE DAILY FLOW MGD	Des'd For Average Daily Flow MGD P.E. (1000's)	TREATMENT FACILITIES TREATMENT	LINE NO.
1	2	3	4	5	6	7	8	
LIBERAL	Seward	13,813 -	13,000 -	S -	1.300E -	2.000 15.000	SchCmFtrCmDchpmtLoBo -	1
LINCOLN	Lincoln	1,717 -	1,800 -	S -	0.180E -	0.220 2.200	ShCiFtrCpLoBo -	2
LINCOLNVILLE	Marion	244 -	200 -	S -	0.020E -	0.030 0.320	Lo -	3
LINDSBORG	McPherson	2,609 -	2,200 -	S -	0.190E -	0.180 2.200	ScCmFtrCpDchrBo -	4
LINN	Washington	466 -	400 -	S -	0.100E -	0.080 1.100	ShCmFtrCmDcpBo -	5
LITTLE RIVER	Rice	552 -	500 -	S -	0.050 -	0.070 0.700	ShCiFtrCpBo -	6
LOGAN	Phillips	846 -	840 -	S -	0.080E -	0.100 1.000	ShCiFtrCpBo -	7
LUCAS	Russell	559 -	500 -	S -	0.050E -	0.070 0.700	ShCiFtrCpBo -	8
LYNDON	Osage	953 -	900 -	S -	0.080E -	0.080 0.800	ScCiFtrCpBo -	9
LYONS	Rice	4,592 -	4,400 -	S -	0.440 -	0.630 5.000	SchCiFtrCmBo -	10
MADISON	Greenwood	1,105 -	1,000 -	S -	0.070E -	0.100 0.700	ShCiFtnBo -	11
McCRACKEN	Rush	406 -	400 -	S -	0.040E -	0.080 0.750	ShCiFtrCpBo -	12
MACKSVILLE	Stafford	546 -	500 -	S -	0.040E -	0.100 1.000	ShCiFtrCpLoBo -	13
McPHERSON	McPherson	9,996 -	9,500 -	S -	0.900 -	1.100 11.000	GmShApCmFtrCmDchmprtBoLsXd -	14
MAIZE	Sedgwick	623 -	750 -	S -	0.080E -	0.040 0.500	ShCiFtrCpBo -	15
MANHATTAN	Riley	22,993 -	23,000 -	S -	2.100 -	3.400 33.000	ShCmDchprtBo -	16
MANKATO	Jewell	1,231 -	1,230 -	S -	0.110E -	0.200 2.100	SchCiFtrCpBo -	17
MARION	Marion	2,169 -	2,100 -	S -	0.210E -	0.200 2.000	ShCiFtrCpBo -	18
MARQUETTE	McPherson	607 -	580 -	S -	0.050 -	0.090 0.900	SchCiBo -	19
MARYSVILLE	Marshall	4,143 -	4,150 -	S -	0.330E -	0.640 8.200	SchCmDcptBo -	20
MEADE	Meade	2,019 -	1,950 -	S -	0.140E -	0.250 2.500	ShCmFtrCmDcptBo -	21
MEDICINE LODGE	Barber	3,072 -	2,300 -	S -	0.200E -	0.400 4.000	ShCmFtrCmDcptBo -	22
MILBURN PARK (Kansas City)	Johnson	1,330 -	1,330 -	S -	0.130E -	0.120 1.160	CiFtrCp -	23
MILBURN WEST	Johnson	1,270 -	1,270 -	S -	0.120E -	0.120 1.160	ShCmFtrCpDcpBo -	24
MILTONVALE	Cloud	814 -	550 -	S -	0.040E -	0.090 0.900	ShCiFtrCpBo -	25
MINNEAPOLIS	Osborne	2,024 -	2,000 -	S -	0.200E -	0.030 2.800	ScCiBo -	26
MINNEOLA	Clark	679 -	600 -	S -	0.050E -	0.100 1.000	ShCiFtrCpLoBo -	27
MISSION HILLS	Johnson	3,621 -	(3,620) -	x -	0.300E -	- -	None (thru Kansas City, Missouri sewers)	28
* MISSION TWP. S.D. # 1	Johnson	- -	60,000 -	S -	6.000 -	7.000 70.000	ShGmCmFtrCmDfhrBo -	29
* MISSION TWP. S. D. # 2	Johnson	- -	7,000 -	S -	0.700 -	1.000 10.000	GmCmFtrCmDfrLo -	30

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LINE NO.	COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION 9	DRAINAGE BASIN Maj. Min. 10	DRAINAGE BASIN Sub. 10a	WATERCOURSE MILEAGE 11	DISCHARGE TO 12	P.E. (BOD) UNTREATED WASTE / DISCHARGED WASTE 13	Pollution Abatement Needs 14	REMARKS 15
1	LIBERAL	SM 7	x -	- -	Lagoon	13,000E x	7 -	
2	LINCOLN	MR 11	x -	KR169.2- 106.5-87.4	Saline River	1,800E 360E	7 -	
3	LINCOLNVILLE	SM 4	x -	N383-120-13 -	Clear Creek	200E x	7 -	
4	LINDSBORG	MR 11	x -	KR169.2- 167.4	Smoky Hill River	2,400E 600E	1 -	
5	LINN	MR 11	x -	KL169.2- 58-20-3	Linn Branch to Pear Creek	1,300E 320E	1 -	
6	LITTLE RIVER	SM 2	x -	A774.5-90.7 -	Little Arkansas River	500E 100E	7 -	
7	LOGAN	MR 11	x -	* -	North Fork of Solomon River	840E 170E	7 -	*KR169.2-85.4-171.6-100.0
8	LUCAS	MR 11	x -	* -	Wolf Creek	500E 90E	7 -	*KR169.2-106.5-93-16-7
9	LYNDON	MR 14	x -	O424.7-20.4 -	Salt Creek	900E 135E	7 -	
10	LYONS	SM 2	x -	A813.3-41.0 -1.6	Little Cow Creek	4,400E 900E	7 -	
11	MADISON	SM 3	x -	V325.7 -	Verdigris River	1,000E 500E	4 -	
12	McCRACKEN	MR 11	x -	KR169.2-320 -25	Big Timber Creek	400E 60E	7 -	
13	MACKSVILLE	SM 2	x -	A842-R25 -R13-10	Wild Horse Creek	500E 50E	7 -	
14	McPHERSON	SM 2	x -	A774.5-47.6 -13.7-10.5	Dry Turkey Creek	10,000E 1,500E	7 -	
15	MAIZE	SM 2	x -	A762.0-22.0 -	Big Slough	750E 100E	1 -	
16	MANHATTAN	MR 11	x -	K144.1 -	Kansas River	26,000E 16,000E	7 -	
17	MANKATO	MR 11	x -	KL169.2- 105.2-55.2	Buffalo Creek	1,230E 250E	7 -	
18	MARION	SM 4	x -	N383-120-6 -	Mud Creek	2,100E 530E	1 -	
19	MARQUETTE	MR 11	x -	KR169.2- 167.4	Smoky Hill River	580E 400E	7 -	
20	MARYSVILLE	MR 11	x -	K142.5-80.0 -	Blue River	4,800E 2,900E	7 -	
21	MEADE	SM 7	x -	C349-43 -	Crooked Creek	1,950E 290E	7 -	
22	MEDICINE LODGE	SM 2	x -	x -	Elm Creek	2,300E 350E	7 -	
23	MILBURN PARK (Kansas City)	MR 11	x -	x -	Tributary to Turkey Creek	1,330E 250E	1 -	
24	MILBURN WEST	MR 11	x -	K3.2-9 -	Dry Branch of Turkey Creek	1,270E 190E	7 -	
25	MILTONVALE	MR 11	x -	KR169.2- 37.6-46.0	Chapman Creek	550E 85E	7 -	
26	MINNEAPOLIS	MR 11	x -	KR169.2- 85.4-55.8	Solomon River	2,300E 1,400E	7 -	
27	MINNEOLA	SM 7	x -	C306-60 -	Dry Fork to Suff Creek	600E 100E	7 -	
28	MISSION HILLS	MR 12	x -	- -	Missouri River	- -	- -	
29	* MISSION TWP. S.D. # 1	MR 11	x -	K2.5-3.0 -	Turkey Creek	60,000E 9,000E	7 -	
30	* MISSION TWP. S.D. # 2	MR 11	x -	x -	Indian Creek	7,000E x	7 -	

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION 1	COUNTY 2	1960 Population 3	Estimated Population Served 4	TYPE SEWER SYSTEM 5	AVERAGE DAILY FLOW MGD 6	TREATMENT FACILITIES: Des'd For Average Daily Flow MGD / P.E. (1000's) 7	TREATMENT FACILITIES: TREATMENT 8	LINE NO.
MISSION WOODS	Johnson	243 -	(240) -	x -	0.020E -	- -	See Mission Twp. S. D. # 1 -	1
MOLINE	Elk	698 -	680 -	S -	0.060E -	0.090 0.650	Ci*FtrCpBo -	2
MONTEZUMA	Gray	543 -	530 -	S	0.030E -	0.400 0.400	CiFsBoXd -	3
MORAN	Allen	549 -	400 -	S -	0.040E -	0.100 1.000	ShCiFtrCpBo -	4
MORRILL	Brown	299 -	290 -	S -	0.020E -	0.030 0.300	CiFtnBo -	5
MOSCOW	Stevens	211 -	200 -	S -	0.020E -	0.050 0.500	Lo -	6
MOUND CITY	Linn	661 -	500 -	S -	0.060E -	0.100 1.000	Lo -	7
MOUNDRIDGE	McPherson	1,214 -	1,000 -	S -	0.100E -	0.200 2.000	ScCmFtrCpDcptBo -	8
MOUNT HOPE	Sedgwick	539 -	520 -	S -	0.050E -	0.050 0.500	ShCiLoLs -	9
MULLINVILLE	Kiowa	385 -	300 -	S -	0.030E -	0.070 0.700	ShCiLoBo -	10
MULVANE	Sumner	2,981 -	2,900 -	S -	0.290E -	0.400 4.000	ShGmCmDptBo -	11
NATOMA	Osborne	775 -	800 -	S -	0.080E -	0.170 1.250	ShCmFtrCmDcptBo -	12
NEODESHA	Wilson	3,594 -	3,500 -	S -	0.500 -	0.400 0.700	ShCiFtnCpBo -	13
NESS CITY	Ness	1,653 -	1,500 -	S -	0.150 -	0.100 0.750	CiFtnCpBo -	14
NEW CAMBRIA	Saline	187 -	150 -	S -	0.010E -	0.020 0.300	Lo -	15
* NEWTON	Harvey	14,877 -	14,500 -	S -	1.900E -	2.250 22.500	GmKcCmFthCmFtrCpHoVvXp -	16
NICKERSON	Reno	1,091 -	1,100 -	S -	0.110E -	0.230 1.800	ShCmFtrCmDcptBo -	17
NORTH NEWTON	Harvey	890 -	(890) -	x -	0.060E -	- -	See Newton -	18
NORTON	Norton	3,345 -	3,000 -	S -	0.330E -	0.200 2.000	ShCiFtrCpBo -	19
NORTONVILLE	Jefferson	595 -	600 -	S -	0.040E -	0.060 0.800	Lo -	20
NORWICH	Kingman	430 -	420 -	S -	0.040 -	0.060 0.575	ShCiFtrCpBo -	21
OAKLEY	Logan	2,190 -	2,100 -	S -	0.200E -	0.200 2.000	ShCiFtrCpBo -	22
OBERLIN	Decatur	2,337 -	2,300 -	S -	0.230E -	0.190 2.000	ShCiFtrCpLoBo -	23
OGDEN	Riley	1,780 -	1,500 -	S -	0.130 -	0.070 1.000	ShCiBo -	24
OLATHE	Johnson	10,987 -	10,900 -	S -	1.200E -	1.500 15.000	SchCmFtrCmDcrtBo -	25
OLPE	Lyon	722 -	250 -	S -	0.010E -	0.050 0.500	Lo -	26
ONAGA	Pottawatomie	850 -	800 -	S -	0.060E -	0.200 2.000	ShCmFtrCmDcrtBo -	27
OSAGE CITY	Osage	2,213 -	2,100 -	S -	0.140E -	0.100 2.160	ShApCmFttCpDcpBo -	28
OSAWATOMIE	Miami	4,622 -	4,600 -	S -	0.400E -	0.340 4.500	ShCmAaCmDchrLs -	29
OSBORNE	Osborne	2,049 -	1,900 -	S -	0.190 -	0.300 2.500	ShCiFtrCpBo -	30

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LINE NO.	COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION 9	DRAINAGE BASIN Maj. Min. 10	DRAINAGE BASIN Sub. 10a	WATER-COURSE MILEAGE 11	DISCHARGE TO 12	P.E. (BOD) UNTREATED WASTE / DISCHARGED WASTE 13	Pollution Abatement Needs 14	REMARKS 15
1	MISSION WOODS	MR 11	x -	- -	Turkey Creek	- -	- -	
2	MOLINE	SM 3	x -	V56.4-9.5 -	Wildcat Creek	1,100E 500E	4A 5	*Imhoff tank not suited for milk wastes.
3	MONTEZUMA	SM 2	x -	x -	Dry Creek	530E 280E	1 -	
4	MORAN	MR 14	x -	0273.5-18.2 -65	Dry tributary to Marmaton River	400E 100E	7 -	
5	MORRILL	MR 12	x -	M511.2-23.0 -16.0	Walnut Creek	290E 140E	4 -	
6	MOSCOW	SM 7	x -	C450-x -	Tributary to Cimarron River	200E x	7 -	
7	MOUND CITY	MR 14	x -	0322-12 -	Little Sugar Creek	500E x	7 -	
8	MOUNDRIDGE	SM 2	x -	A774.5-35.3 -23.8	Black Kettle Creek	1,000E 130E	7 -	
9	MOUNT HOPE	SM 2	x -	A800 -	Arkansas River	520E 320E	1 -	
10	MULLINVILLE	SM 2	x -	A843-114 -	Tributary to Rattlesnake Creek	300E x	7 -	
11	MULVANE	SM 2	x -	A755.5 -	Arkansas River	2,900E 1.750E	7 -	
12	NATOMA	MR 11	x -	x -	Paradise Creek	800E 80E	7 -	
13	NEODESHA	SM 3	x -	V217 -	Verdigris River	3,500E 1,500E	4 -	
14	NESS CITY	SM 2	x -	A873.5-94 -	Walnut Creek	1,500E 400E	4 -	
15	NEW CAMBRIA	MR 11	x -	Kr169.2-105 -	Smoky Hill River	150E x	7 -	
16	* NEWTON	SM 2	x -	A774.5-25.9 -10.6	Sand Creek	19,000E 2.800E	7 -	
17	NICKERSON	SM 2	x -	A829.5 -	Arkansas River	1,100E 150E	7 -	
18	NORTH NEWTON	SM 2	x -	- -	Sand Creek	- -	- -	
19	NORTON	MR 11	x -	KL169.2- 239.8-66.0	Prairie Dog Creek	3,300E 1,000E	1 -	
20	NORTONVILLE	MR 11	x -	x -	Tributary to Dry Creek	600E x	7 -	
21	NORWICH	SM 2	x -	A718-61 -	Dry tributary to Sand Creek	420E 70E	7 -	
22	OAKLEY	MR 11	x -	KL169.2- 378.2-60.0	Tributary to North Hackberry Creek	2,100E 420E	7 -	
23	OBERLIN	MR 11	x -	KL169.2- 258.0-100.8	Sappa Creek	2,300E 450E	1 -	
24	OGDEN	MR 11	x -	K158.9 -	Kansas River	1,500E 1.050E	7 -	
25	OLATHE	MR 11	x -	K16.0-12.0 -	Mill Creek	10,900E 1.650E	7 -	
26	OLPE	SM 4	x -	N345-30 -	Eagle Creek	250E x	7 -	
27	ONAGA	MR 11	x -	K116.9-25 -	Vermillion River	800E 100E	7 -	
28	OSAGE CITY	MR 14	x -	0424.7-20.4 -	Salt Creek	2,100E 650E	1 -	
29	OSAWATOMIE	MR 14	x -	0367.4-1.0 -	Pottawatomie Creek	4,600E 1,400E	1 -	
30	OSBORNE	MR 11	x -	KL169.2- 85.4-26.1	Solomon River	1,900E 290E	7 -	

INVENTORY OF MUNICIPAL WASTE FACILITIES

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	COUNTY	1960 Population	Estimated Population Served	TYPE SEWER SYSTEM	AVERAGE DAILY FLOW MGD	Des'd For Average Daily Flow MGD P.E. (1000's)	TREATMENT FACILITIES TREATMENT	LINE NO.
1	2	3	4	5	6	7	8	
OSWEGO	Labette	2,027 -	2,000 -	S -	0.200E -	0.300 2.600	ShApCmFtrCmDchrLoBo -	1
OTTAWA	Franklin	10,673 -	10,500 -	S -	0.900E -	1.250 13.500	ShCmAsCmDchmrtLs -	2
OVERBROOK	Osage	509 -	500 -	S -	0.050E -	0.160 0.950	Lo -	3
OVERLAND PARK	Johnson	21,110 -	(21,110) -	- -	- -	- -	See Mission Twp. S./. # 1 -	4
OXFORD	Sumner	989 -	900 -	S -	0.090E -	0.150 1.500	Lo -	5
PALCO	Rooks	575 -	600 -	S -	0.060E -	0.100 1.000	ShClFtrCpBo -	6
PAOLA	Miami	4,784 -	4,700 -	S -	0.290 -	0.320 4.500	ScCmFtrCmDchmrBo -	7
PARSONS	Labette	13,929 -	13,500 -	S -	2.100E -	3.500 30.000	ShGmCmFthCmFtrCmDchpratBoLs -	8
PAWNEE ROCK	Barton	380 -	300 -	S -	0.030E -	0.080 0.800	ShClFtrCpBoLo -	9
PEABODY	Marion	1,309 -	1,300 -	S -	0.130E -	0.200 2.000	ShClFtrCpBo -	10
PHILLIPSBURG	Phillips	3,233 -	3,200 -	S -	0.320E -	0.480 4.000	ShClFtrCpXd (liquid sludge hauled to farm land)	11
PITTSBURG	Crawford	18,678 -	18,000 -	S -	1.400E -	3.000 40.300	ShGmApCmFtrCmFtrCmDcfhrtBo -	12
PLAINS	Meade	724 -	600 -	S -	0.050E -	0.100 1.000	ShClFtrCpBo -	13
PLAINVILLE	Rooks	3,104 -	3,050 -	S -	0.300E -	0.040 2.400	ClFtrCpBo -	14
PLEASANTON	Linn	1,098 -	1,000 -	S -	0.090E -	0.090 0.500	ClFtmCpBo -	15
POTWIN	Butler	635 -	600 -	S -	0.060E -	0.100 1.000	ShClFtrCpBo -	16
PRAIRIE VILLAGE	Johnson	25,356 -	(25,355) -	x -	x -	- -	See Mission Twp. S.D. # 1	17
PRATT	Pratt	8,156 -	8,100 -	S -	0.600E -	0.410 7.000	SchApCmFthAsCmDchtrH Xd -	18
PRESTON	Pratt	278 -	250 -	S -	0.020E -	0.050 0.600	ShClFtrCpBo -	19
PRETTY PRAIRIE	Reno	525 -	500 -	S -	0.050E -	0.100 1.000	ShClFtrCpBo -	20
PROTECTION	Comanche	780 -	770 -	S -	0.070 -	0.080 0.750	ShClFtrCpBo -	21
QUENEMO	Osage	434 -	400 -	S -	0.030E -	0.040 0.400	Lo -	22
QUINDARO TWP. S.D. # 1	Wyandotte	- -	(1,200) -	S -	x -	- -	None (thru Wyandotte Twp S. D. # 7	23
QUINTER	Gove	776 -	750 -	S -	0.070E -	0.060 0.850	ShClFtrCpBo -	24
QUIVARA	Wyandotte	600 -	600 -	S -	0.050E -	- -	None -	25
RANSOM	Ness	387 -	350 -	S -	0.040E -	0.050 0.500	ShClLoBo -	26
ROBINSON	Brown	317 -	300 -	S -	0.020E -	0.030 0.500	ClBo -	27
ROELAND PARK	Johnson	8,949 -	(8,705) -	S -	0.850E -	- -	See Mission Twp. S.D. # 1. -	28
ROLLA	Morton	464 -	300 -	S -	0.020E -	0.060 0.800	ShClLoBo -	29
ROSE HILL	Butler	273 -	360 -	S -	0.040E -	0.120 1.200	ShClFtrCpBo -	30

INVENTORY OF MUNICIPAL WASTE FACILITIES

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LINE NO.	COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	DRAINAGE BASIN Maj. Min.	DRAINAGE BASIN Sub.	WATER-COURSE MILEAGE	DISCHARGE TO	P.E. (BOD) UN-TREATED WASTE DIS-CHARGED WASTE	Pollution Abatement Needs	REMARKS
	9	10	10a	11	12	13	14	15
1	OSWEGO	SN 4	x -	N182.5 -	Turkey Creek	2,600E 370E	1 -	
2	OTTAWA	MR 14	x -	0399.8 -	Marais des Cygnes River	14,000E 3,200E	7 -	
3	OVERBROOK	MR 14	x -	0420-20 -	Dry tributary to 110 Mile Creek	500E x	7 -	
4	OVERLAND PARK	MR 11	x -	- -	Turkey Creek	- -	- -	
5	OXFORD	SN 2	x -	A732 -	Arkansas River	900E x	7 -	
6	PALCO	MR 11	x -	KL169.2- 171.6-99.8	Tributary to South Fork of Solomon River	600E 90E	7 -	
7	PAOLA	MR 14	x -	0360.2-8.6 -	Bull Creek	6,700E 1,800E	1 -	
8	PARSONS	SN 4	x -	N175-32 -	Labette Creek	25,000E 2,500E	7 -	
9	PAWNEE ROCK	SN 2	x -	A874-x -	Dry watercourse	300E x	7 -	
10	PEABODY	SN 4	x -	N383-106-15 -	Doyle Creek	1,300E 190E	7 -	
11	PHILLIPSBURG	MR 11	x -	* -	Plotner Creek	3,200E 600E	7 -	*KR169.2-85.4-171.6-65.3-18.0
12	PITTSBURG	SN 4	x -	N140-L42-18 -	Cow Creek	23,000E 2,300E	7 -	
13	PLAINS	SN 7	x -	C375-x -	Drainage ditch	600E 100E	7 -	
14	PLAINVILLE	MR 11	x -	* -	Salt Creek	3,050E 610E	1 -	*KR169.2-106.5-160.4-4.50
15	PLEASANTON	MR 14	x -	0305-15 -	Cady's Creek	1,000E 500E	4 -	
16	POTWIN	SN 2	x -	A703.6-76.3 -28.4-1.4	Brush Creek	600E 100E	7 -	
17	PRAIRIE VILLAGE	MR 11	x -	- -	Turkey Creek	- -	- -	
18	PRATT	SN 2	x -	x -	Ninnescah River	8,100E 1,800E	7 -	
19	PRESTON	SN 2	x -	x -	Dry tributary to North Fork of Ninnescah River	250E 50E	7 -	
20	PRETTY PRAIRIE	SN 2	x -	A737-81-20 -	Tributary to South Ninnescah River	500E 50E	7 -	
21	PROTECTION	SN 7	x -	x -	West Cavalry Creek	770E 160E	4 -	
22	QUENEMO	MR 14	x -	0427.7 -	Marais des Cygnes River	400E x	7 -	
23	QUINDARO TWP. S.D. # 1	MR 11	x -	- -	Kansas River -	- -	- -	
24	QUINTER	MR 11	x -	KR169.2- 292.1-109	Big Creek	750E 120E	7 -	
25	QUIVARA	MR 11	x -	K14 -	Kansas River	600E 600E	0 -	
26	RANSOM	SN 2	x -	A873.5 78-25	Dry Tributary to Walnut Creek	350E x	7 -	
27	ROBINSON	MR 12	x -	M496.0-23 -	Wolf Creek	300E 200E	5 -	
28	ROELAND PARK	MR 11	x -	- -	Turkey Creek	- -	- -	
29	ROLLA	SN 7	x -	C685-x -	Dry tributary to Cimarron River	300E x	7 -	
30	ROSE HILL	SN 2	x -	A703.6- 52-16	Eight Mile Creek	360E 40E	7 -	

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	COUNTY	1960 Population	Estimated Population Served	TYPE SEWER SYSTEM	AVERAGE DAILY FLOW MGD	Des'd For Average Daily Flow MGD P.E. (1000's)	TREATMENT FACILITIES TREATMENT	LINE NO.
1	2	3	4	3	6	7	8	
ROSSVILLE	Shawnee	797 -	775 -	S -	0.040E -	0.030 0.600	CiFtrCpBo -	1
ROZEL	Pawnee	207 -	230 -	S -	0.020E -	0.030 0.300	ShLo -	2
RUSSELL	Russell	6,113 -	6,100 -	S -	0.610E -	1.000 10.000	SchCmFtrCmDcptBo -	3
SABETHA North Plant	Nemaha	2,318 -	1,300 -	S -	0.100 -	0.300 3.000	ShCiFtrCpBo -	4
SABETHA South Plant	Nemaha	- -	1,000 -	S -	0.140 -	0.210 6.000	ShApCmFtrCmFtrCmDchrBo -	5
SAINT FRANCIS	Cheyenne	1,594 -	1,500 -	S -	0.150E -	0.120 1.400	ShCiLoBo -	6
SAINT JOHN	Stafford	1,753 -	1,600 -	S -	0.160 -	0.080 1.500	CmBo -	7
SAINT MARYS	Pottawatomie	1,509 -	1,400 -	S -	0.090E -	0.100 1.250	ShCiBo -	8
SAINT PAUL	Neosho	675 -	675 -	S -	0.040 -	0.110 1.000	ShCiFtrCpBo -	9
SALINA	Saline	43,202 -	44,000 -	SC -	8.000 -	7.000 30.000	GhCmFthCmDchmprtBo -	10
SATANTA	Haskell	686 -	600 -	S -	0.040 -	0.080 0.800	ShCiFtrCmBo -	11
SCANDIA	Republic	643 -	600 -	S -	0.040E -	0.060 0.600	ShCiBo -	12
SCOTT CITY	Scott	3,555 -	2,600 -	S -	0.240E -	0.300 3.000	ShCiFtrCpLoIcBo -	13
SEDAN	Chautauqua	1,677 -	1,600 -	S -	0.200E -	0.180 2.200	ShCmFtrCpDcptLoBo -	14
SEDGWICK	Harvey	1,095 -	1,050 -	S -	0.100E -	0.150 1.500	ShCmFtrCmDcptBo -	15
SENECA	Nemaha	2,072 -	2,000 -	S -	0.150E -	0.100 1.840	Cs -	16
SHARON	Barber	272 -	230 -	S -	x -	0.020 0.200	ShCiFsBo -	17
SHARON SPRINGS	Wallace	966 -	1,000 -	S -	0.100E -	0.200 1.500	ShCiFtrCpBoLo -	18
SHAWNEE TWP. S.D. # 5	Wyandotte	- -	2,100 -	S -	0.140E -	0.210 2.100	ShCiFtrCpBo -	19
SHAWNEE TWP. S.D. # 6	Wyandotte	- -	5,250 -	S -	0.400E -	0.530 5.250	ShCiFtrCmBo -	20
SHAWNEE TWP. S.D. # 8	Wyandotte	- -	650 -	S -	0.060E -	0.350 3.500	CmDcrtBo (plant under construction)	21
SMITH CENTER	Smith	2,379 -	2,300 -	S -	0.230E -	0.080 2.000	ShCiFtrCmBo -	22
SOUTH HAVEN	Sumner	408 -	400 -	S -	0.040E -	0.040 0.500	ShCiFtrCpBo -	23
SOUTH HUTCHINSON	Reno	1,672 -	1,600 -	S -	0.160E -	0.150 1.500	ShCmFtrCmDcptBo -	24
SOLOMON	Dickinson	1,008 -	900 -	S -	0.080E -	0.120 1.250	ShCiBo -	25
STAFFORD	Stafford	1,862 -	1,850 -	S -	0.180 -	0.200 1.800	ShCiFtrCpBo -	26
STERLING	Rice	2,303 -	2,000 -	S -	0.190E -	0.400 2.500	ShCiFtrCpLoBo -	27
STOCKTON	Rooks	2,073 -	1,900 -	S -	0.190E -	0.280 2.000	ShCiFtrCpBo -	28
STRONG CITY	Chase	659 -	600 -	S -	0.060E -	0.140 1.000	ShCiFtrCpLoBo -	29
SUBLETTE	Haskell	1,077 -	1,000 -	S -	0.080 -	0.070 0.800	ShCiFtrCpIpBo -	30

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LINE NO.	COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	DRAINAGE BASIN		WATER-COURSE MILEAGE	DISCHARGE TO	P.E. (BOD)		Pollution Abatement Needs	REMARKS
		Maj. Min.	Sub.			UN-TREATED WASTE	DIS-CHARGED WASTE		
	9	10	10a	11	12	13		14	15
1	ROSSVILLE	MR 11	x -	K100.0-3.0 -	Cross Creek	775E	195E	1 -	
2	ROZEL	SM 2	x -	A898-24 -	Pawnee Creek	230E	x	7 -	
3	RUSSELL	MR 11	x -	KR169.1- 282.1-4.5	Fossil Creek	6,100E	920E	7 -	
4	SABETHA North Plant	MR 12	x -	M511.2-26.2 -18.0	Pony Creek	1,300E	320E	1 -	
5	SABETHA South Plant	MR 11	x -	K63.2-72 28.0	Dry Branch to Webster Creek	10,000E	2,500E	4 -	
6	SAINT FRANCIS	MR 11	x -	KL169.2 393.6-28.0	South Fork of Republican River	1,500E	x	7 -	
7	SAINT JOHN	SM 2	x -	A942-32 -	Rattlesnake Creek	1,600E	1,400E	4 -	
8	SAINT MARYS	MR 11	x -	K107.7 -	Kansas River	1,400E	930E	4 -	
9	SAINT PAUL	SM 4	x -	N232 -	Neosho River	675E	170E	7 -	
10	SALINA	MR 11	x -	KR169.2- 123.5	Smoky Hill River	69,000E	19.000E	1 -	
11	SATANTA	SM 7	x -	C430-4 -	Dry Run	600E	90E	7 -	
12	SCANDIA	MR 11	x -	KL169.2- 125.2	Republican River	600E	390E	7 -	
13	SCOTT CITY	SM 2	x -	- -	Lagoon	2,600E	x	1 -	
14	SEDAN	SM 3	x -	x -	Middle Caney River	1,600E	160E	7 -	
15	SEDGWICK	SM 2	x -	A774.5-25.4 -	Little Arkansas River	1,050E	210E	7 -	
16	SENECA	MR 12	x -	M511.2-40.5 -53.1	South Fork of Big Nemaha River	2,000E	1,900E	4 -	
17	SHARON	SM 2	x -	x -	Elm Creek	230E	60E	7 -	
18	SHARON SPRINGS	MR 11	x -	KL169.2- 501.0-4.0	Eagle Tail Creek	1,000E	100E	7 -	
19	SHAWNEE TWP. S.D. # 5	MR 11	x -	K3-x -	Turkey Creek	2,100E	420E	7 -	
20	SHAWNEE TWP. S.D. # 6	MR 11	x -	K3.2-4 -	Dry tributary to Turkey Creek	5,250E	1.000E	5 -	
21	SHAWNEE TWP. S.D. # 8	MR 11	x -	x -	Kansas River	650E	650E	0 -	
22	SMITH CENTER	MR 11	x -	* -	Beaver Creek	2,300E	460E	4 -	*KR169.2-85.4-171.6-45.1
23	SOUTH HAVEN	SM 2	x -	A638-20 -45(E)-x	West Shoe Fly Creek	400E	60E	7 -	
24	SOUTH HUTCHINSON	SM 2	x -	A819 -	Arkansas River	1,600E	320E	7 -	
25	SOLOMON	MR 11	x -	KR169.2- 85.3	Solomon River	900E	540E	7 -	
26	STAFFORD	SM 2	x -	x -	Dry Creek	1,850E	300E	7 -	
27	STERLING	SM 2	x -	A813.3-19.1 -12.0-0.8	Lagoon-tributary to Bull Creek	2,000E	300E	7 -	
28	STOCKTON	MR 11	x -	* -	South Fork of Solomon River	1,700E	420E	7 -	*KR169.2-85.4-171.6-76.0
29	STRONG CITY	SM 4	x -	N383-55-5 -	Fox Creek	600E	90E	7 -	
30	SUBLETTE	SM 7	x -	- -	Sepage Pond	1,000E	x	1 -	

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	COUNTY	1960 Population	Estimated Population Served	TYPE SEWER SYSTEM	AVERAGE DAILY FLOW MGD	Des'd For Average Daily Flow MGD P.E. (1000's)	TREATMENT FACILITIES TREATMENT	LINE NO.
1	2	3	4	5	6	7	8	
SUNFLOWER VILLAGE	Johnson	1,100 -	1,100 -	S -	0.110E -	0.300 3.500	ClFtnCpBo -	1
SUSANK	Barton	87 -	115 -	S -	0.010E -	0.020 0.175	Lo -	2
SYLVAN GROVE	Lincoln	400 -	400 -	S -	0.040E -	0.050 0.450	ShClFtrCpBo -	3
SYLVIA	Reno	402 -	400 -	S -	0.040E -	0.050 0.780	ShCmFtrCmDopBo -	4
SYRACUSE	Hamilton	1,888 -	1,400 -	S -	C.120E -	0.250 2.500	ScCmFtrCmDeptBo -	5
TAMPA	Marion	145 -	215 -	S -	0.020 -	0.030 0.275	Lo -	6
TONGANOXIE	Leavenworth	1,354 -	1,330 -	S -	0.120E -	0.250 2.600	ShCmFtrCmDchrtBo -	7
* TOPEKA	Shawnee	119,484 -	119,400 -	SC -	8.000 -	2.000 20.000	SgGmA CmAaCmDchrstLs -	8
TOPEKA North Plant	Shawnee	- -	8,000 -	SC -	x -	0.700 10.000	ShClBo -	9
TOPEKA TWP. S.D. # 2	Shawnee	- -	750 -	S -	0.080 -	0.120 1.150	Lo -	10
TORONTO	Woodson	524 -	500 -	S -	0.030 -	0.010 1.000	ShClFtrLo -	11
TOWANDA	Butler	1,031 -	1,025 -	x -	0.100E -	0.130 1.250	ShClFtrCpBo -	12
TRIBUNE	Greeley	1,036 -	700 -	S -	0.070E -	0.070 0.600	ClBo -	13
TROY	Doniphan	1,051 -	1,000 -	S -	0.070E -	0.070 0.700	ShClFaBo -	14
TURON	Reno	559 -	550 -	S -	0.060E -	0.100 1.000	ShCmFtrCmDeptBo -	15
UDALL	Cowley	600 -	600 -	S -	0.060E -	0.050 0.600	ShClFaBo -	16
ULYSSES	Grant	3,157 -	3,100 -	S -	0.300E -	0.400 4.000	ShClFtrCpBo -	17
VALLEY CENTER	Sedgwick	2,570 -	2,500 -	S -	0.250E -	0.450 4.500	ShCmFtrCpDcrtLoBo -	18
VALLEY FALLS	Jefferson	1,193 -	1,150 -	S -	0.150E -	0.230 2.900	ShLo -	19
VIOLA	Sumner	203 -	200 -	S -	0.020E -	0.050 0.300	ClLoBo -	20
WAKEENEY	Trego	2,808 -	2,800 -	S -	0.280 -	0.100 -	ShClFtrCpBo -	21
WAKEFIELD	Clay	603 -	550 -	S -	0.050E -	0.080 0.800	ShClBo -	22
WALTON	Harvey	225 -	200 -	S -	0.020E -	0.060 0.500	ShClLoBo -	23
WAMEGO	Pottawatomie	2,363 -	2,360 -	S -	0.150 -	0.320 3.200	SchCmDeptBo -	24
WASHINGTON	Washington	1,506 -	1,500 -	S -	0.150E -	0.200 3.500	ShCmFtrCpDeptBo -	25
WATERVILLE	Marshall	700 -	700 -	S -	0.050E -	0.090 0.910	ShClBo -	26
WATHENA	Doniphan	837 -	830 -	S -	0.060E -	0.050 1.000	ClBo -	27
WELLINGTON	Sumner	8,809 -	8,800 -	S -	0.880E -	0.880 11.000	SmApCmFthAsCmDfhrtBo -	28
WELLSVILLE	Franklin	984 -	1,000 -	S -	0.080E -	0.150 1.500	SchGaCmFtrCmDchrtBo -	29
WESTWOOD	Johnson	2,040 -	(2,040) -	x -	x -	- -	See Mission Twp. S.D. # 1.	30

INVENTORY OF MUNICIPAL WASTE FACILITIES

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LINE NO.	COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION 9	DRAINAGE BASIN Maj. Min. 10	DRAINAGE BASIN Sub. 10a	WATER-COURSE MILEAGE 11	DISCHARGE TO 12	P.E. (BOD) UN-TREATED WASTE / DIS-CHARGED WASTE 13	Pollution Abatement Needs 14	REMARKS 15
1	SUNFLOWER VILLAGE	MR 11	x -	K29.5-2.0 -	Dry tributary to Kill Creek	1,100E 220E	7 -	
2	SUSANK	MR 11	x -	A870-35 -	Deception Creek	115E x	7 -	
3	SYLVAN GROVE	MR 11	x -	* -	Saline River	400E 80E	7 -	*KR169.2-106.5-116.2
4	SYLVIA	SM 2	x -	A737-63 -	Dry Creek to North Fork of Minnescah River	400E 80E	7 -	
5	SYRACUSE	SM 2	x -	A1081 -	Arkansas River	1,400E 160E	7 -	
6	TAMPA	SM 4	x -	M303-122 -20	Mud Creek	215E x	7 -	
7	TONGANOXIE	MR 11	x -	K33.6-16.0 -3.1	Tonganoxie Creek	1,350E 145E	7 -	
8	* TOPEKA	MR 11	x -	K82.3 -	Kansas River	160,000E 16,000E	7 -	
9	TOPEKA North Plant	MR 11	x -	K82.3 -	Kansas River	8,000E 6,000E	5 -	
10	TOPEKA TWP. S.D. # 2	MR 11	x -	K70-x -	Shunganunga Creek	750E x	7 -	
11	TORONTO	SM 3	x -	V275 -	Verdigris River	500E 75E	7 -	
12	TOWANDA	SM 2	x -	A703.6- 76.3-13.3	Whitewater River	1,025E 120E	7 -	
13	TRIBUNE	SM 2	x -	x -	White Woman Creek	700E 500E	4 -	
14	TROY	MR 12	x -	M453.8-9.0 -	Peters Creek	1,000E 400E	4 -	
15	TURON	SM 2	x -	x -	Dry tributary to Silver Creek	550E 65E	7 -	
16	UDALL	SM 2	x -	A703.6- 41.9-4.2	Dry tributary to Seward Creek	600E 100E	5 -	
17	ULYSSES	SM 7	x -	C438-30 -	West Fork of Cimarron River	3,100E 380E	7 -	
18	VALLEY CENTER	SM 2	x -	A774.5-15.6 -	Little Arkansas River	2,500E 250E	7 -	
19	VALLEY FALLS	MR 11	x -	K63.3-29.7 -	Delaware River	2,000E x	7 -	
20	VIOLA	SM 2	x -	- -	Pond	200E x	7 -	
21	WAKEENEY	MR 11	x -	KR169.2- 292.1-80.0	Big Creek	2,800E 840E	1 -	
22	WAKEFIELD	MR 11	x -	KL169.2- 25.7	Republican River	550E 390E	7 -	
23	WALTON	SM 2	x -	A774.5-25.9 -22	Dry tributary of Sand Creek	200E x	7 -	
24	WAMEGO	MR 11	x -	K123.6 -	Kansas River	2,360E 1,420E	7 -	
25	WASHINGTON	MR 11	x -	* -	Mill Creek	1,410E 350E	7 -	*K142.5-138.9-30.9-22.3
26	WATERVILLE	MR 11	x -	K142.5- 136.9-6.2	Little Blue River	700E 420E	7 -	
27	WATHENA	MR 12	x -	M453.8-1.0 -	Peters Creek	830E 550E	5 -	
28	WELLINGTON	SM 2	x -	A717-20 -	Slate Creek	8,300E 1,300E	7 -	
29	WELLSVILLE	MR 14	x -	O390-6-11 -	Walnut Creek	1,000E 100E	7 -	
30	WESTWOOD	MR 11	x -	- -	Turkey Creek	- -	- -	

INVENTORY OF MUNICIPAL WASTE FACILITIES

STATE	YEAR	
KANSAS	1962	PAGE 12 of 15

COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION 1	COUNTY 2	1960 Population 3	Estimated Population Served 4	TYPE SEWER SYSTEM 5	AVERAGE DAILY FLOW MGD 6	Des'd For Average Daily Flow MGD P.E. (1000's) 7	TREATMENT FACILITIES TREATMENT 8	LINE NO.
PITTSBURG Mt. Carmel Hospital	Crawford	350 -	350 -	S -	x -	0.060 0.400	ShClFtrCpBo -	1
ST. MARYS St. Marys College	Pottawatomie	220 -	220 -	S -	x -	x x	Cs -	2
TOPEKA Boys Indust. School	Shawnee	283 -	350 -	S -	0.040E -	0.030 0.300	SchClFtrCpBo -	3
TOPEKA Rochester School	Shawnee	500 -	500 -	S -	0.040E -	0.050 0.500	CsFs -	4
TOPEKA St. Vocational Sch.	Shawnee	200 -	200 -	S -	x -	0.045 0.300	ClFtrCpFsBo -	5
TOPEKA State Hospital	Shawnee	2,100 -	(2,100) -	S -	x -	- -	See Topeka -	6
TOPEKA Washburn Rural Sch.	Kansas	350 -	350 -	S -	0.030E -	0.030 0.300	CsFth -	7
WICHITA Sedgwick Boys Home	Sedgwick	80 -	80 -	S -	x -	0.010 0.120	Lo -	8
WICHITA Municipal Airport	Sedgwick	- -	x -	S -	x -	0.030 0.500	ShClFtrCpBo -	9
WINCHESTER Jefferson Co. Hosp.	Jefferson	125 -	125 -	S -	x -	0.010 0.100	ClLo -	10
WINFIELD State Training Sch.	Cowley	2,100 -	2,100 -	S -	0.110E -	0.190 2.500	ShCaFtrCmDcptBo -	11
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INVENTORY OF MUNICIPAL WASTE FACILITIES

STATE	YEAR	PAGE
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LINE NO	COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION 9	DRAINAGE BASIN Maj. Min. 10	DRAINAGE BASIN Sub. 10a	WATER-COURSE MILEAGE 11	DISCHARGE TO 12	P.E. (BOD) UN-TREATED WASTE DIS-CHARGED WASTE 13	Pollution Abatement Needs 14	REMARKS 15
1	PITTSBURG Mt. Carmel Hospital	SM 4	x -	- -	Abandoned mine	350E 70E	7 -	
2	ST. MARYS St. Marys College	MR 11	x -	K107.7 -	Kansas River	220E 200E	5 -	
3	TOPEKA Boys Indust. School	MR 11	x -	K80.2-3.5 -	Soldier Creek	350E 50E	7 -	
4	TOPEKA Rochester School	MR 11	x -	K75-x -	Tributary to Soldier Creek	500E 150E	7 -	
5	TOPEKA St. Vocational Sch.	MR 11	x -	K74.5 -	Deer Creek	200E 50E	7 -	
6	TOPEKA State Hospital	MR 11	x -	- -	Kansas River	- -	- -	
7	TOPEKA Washburn Rural Sch.	MR 11	x -	- -	Dry Ravine	350E 50E	1 -	
8	WICHITA Sedgwick Boys Home	SM 2	x -	x -	Clearwater Creek	80E x	7 -	
9	WICHITA Municipal Airport	SM 2	x -	x -	Big Slough	x x	1 -	
10	WINCHESTER Jefferson Co. Hosp.	MR 11	x -	- -	Dry Ravine	125E x	1 -	
11	WINFIELD State Training Sch.	SM 2	x -	A703.6-27.5 -2.5-0.4	Timber Creek	2,100E 210E	7 -	
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INVENTORY OF MUNICIPAL WASTE FACILITIES

STATE	YEAR	
KANSAS	1962	PAGE 13 of 15

COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	COUNTY	1960 Population	Estimated Population Served	TYPE SEWER SYSTEM	AVERAGE DAILY FLOW MGD	Des'd For Average DailyFlow MGD P.E. (1000's)	TREATMENT FACILITIES TREATMENT	LINE NO.
1	2	3	4	5	6	7	8	
WESTWOOD HILLS	Johnson	495 -	(495) -	x -	x -	- -	None (thru Kansas City Missouri sewers)	1
WETMORE	Nemaha	390 -	360 -	S -	0.040E -	0.070 0.600	ShClFtrCpBo -	2
* WICHITA	Sedgwick	254,698 -	294,000 -	S -	28.360 -	45.000 500.00	SmChApCmDcfhrstBoFtrCmLsZil -	3
WICHITA-Bel Aire Imp. D.	Sedgwick	- -	1,000 -	S -	0.100 -	0.090 0.950	Lo -	4
WICHITA-Glenville Imp. D.	Sedgwick	- -	2,000 -	S -	x -	0.250 2.500	ShCmFtrCmDchrBo -	5
WICHITA Hemphill Addition	Sedgwick	- -	(300) -	S -	x -	- -	See Wichita Sunflower Imp. D.	6
WICHITA-Jayhawk Imp. D.	Sedgwick	- -	1,500 -	S -	0.140E -	0.140 1.400	ShClBo -	7
WICHITA Oaklawn	Sedgwick	- -	2,800 -	S -	0.280E -	1.000 5.350	ShClBo -	8
WICHITA Park City	Sedgwick	- -	5,000 -	s -	0.500E -	0.500 5.000	ShCmFtrCpLoDchrtBo -	9
* WICHITA-Sunflower Imp. D	Sedgwick	- -	850 -	S -	x -	0.200 2.000	ShClFtrCpBo -	10
WICHITA-Westlink Imp. D.	Sedgwick	- -	8,000 -	S -	x -	1.400 13.000	CmFtrCmDcrtLoBo -	11
WILSEY	Morris	224 -	240 -	x -	x -	0.030 0.300	Lo -	12
WHITE CITY	Morris	459 -	300 -	S -	0.030E -	0.080 0.800	ShClFtrCpLoBo -	13
WHITEWATER	Butler	499 -	500 -	S -	0.050E -	0.060 0.750	ShClFtrCpBo -	14
WILLOWBROOK	Reno	62 -	60 -	S -	0.010 -	- -	None -	15
WILSON	Ellsworth	905 -	850 -	S -	0.180 -	0.110 1.000	ShClFtrCpBo -	16
WINDOM	McPherson	168 -	175 -	S -	0.010E -	0.020 0.275	Lo -	17
WINFIELD	Cowley	11,117 -	11,000 -	S -	0.970E -	0.900 7.000	SmCmAmCmDfrtBo -	18
WINONA	Logan	393 -	300 -	S -	0.030E -	0.040 0.430	Lo -	19
WOODBINE	Dickinson	173 -	85 -	S -	0.010E -	0.020 0.300	ShClLoBo -	20
YATES CENTER	Woodson	2,080 -	1,900 -	S -	0.170E -	0.200 2.500	ShCmFtrCpDcpBo -	21
AUGUSTA CAMP Ta-Wa-Ko-Ni	Butler	250 -	70 -	S -	x -	x 0.070	Lo -	22
CHANUTE T. B. Hospital	Neosho	100 -	100 -	S -	x -	0.010 0.150	ShClFsBo -	23
CUSTER HILL CAMP	Riley	x -	x -	S -	x -	x x	ScCmFtrCpEcDfhrtBo -	24
JUNCTION CITY 4-H Camp	Geary	x -	x -	S -	x -	0.020 0.500	ClFsEchBo -	25
LANSING State Penitentiary	Leavenwoth	1,675 -	2,000 -	S -	0.350 -	0.800 2.400	SchClFtrCpBo -	26
LARNED State Hospital	Pawnee	3,000 -	3,000 -	S -	0.250E -	0.300 3.400	ShClFtrCmLo -	27
LAWRENCE Haskell Institute	Douglas	500 -	500 -	S -	x -	0.150 1.200	ShClAmCpBo -	28
NORTON State Sanitarium	Norton	1,200 -	1,200 -	S -	0.100E -	0.150 1.000	ShClFtrCpFsBo -	29
OSAWATOMIE State Hospital	Miami	1,775 -	2,225 -	S -	0.180E -	0.250 2.500	ShClFtrCpBo -	30

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LINE NO.	COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	DRAINAGE BASIN Maj. Min.	DRAINAGE BASIN Sub.	WATER-COURSE MILEAGE	DISCHARGE TO	P.E. (BOD) UN-TREATED WASTE DIS-CHARGED WASTE	Pollution Abatement Needs	REMARKS
	9	10	10a	11	12	13	14	15
1	WESTWOOD HILLS	MR 12	x -	- -	Missouri River	- -	- -	
2	WETMORE	MR 11	x -	K63.3-42 -12-14	Spring Creek	360E 40E	7 -	
3	* WICHITA	SM 2	x -	A763 -	Arkansas River	350,000E 70,000E	7 -	
4	WICHITA-Bel Aire Imp. D.	SM 2	x -	A770-x -	East Fork of Chisholm Creek	1,000E x	7 -	
5	WICHITA-Glenville Imp. D.	SM 2	x -	A764.0-3.8 -	Big Slough	2,000E 500E	5 -	
6	WICHITA Hemphill Additon	SM 2	x -	- -	Big drainage ditch	- -	- -	
7	WICHITA-Jayhawk Imp. D.	SM 2	x -	A760(E) -	Arkansas River	1,500E 900E	7 -	
8	WICHITA Oaklawn	SM 2	x -	A766.0 -	Arkansas River	2,800E 1,700E	7 -	
9	WICHITA Park City	SM 2	x -	A768.0-12.5 -	Chisholm Creek	6,500E 500E	1 -	
10	* WICHITA-Sunflower Imp. D.	SM	x	A762.0-3.5	Big drainage ditch	850E 200E	7 -	
11	WICHITA-Westlink Imp. D.	SM 2	x -	x -	Cowskin Creek	8,000E 1,200E	7 -	
12	WILSEY	SM 4	- -	x -	Tributary to Neosho River	440 35	x -	
13	WHITE CITY	SM 4	x -	N470-10 -	Dry Creek	300E 60E	7 -	
14	WHITEWATER	SM 2	x -	A703.6-76.3 -16.2-22.9	West Branch of Whitewater River	400E 80E	7 -	
15	WILLOWBROOK	SM 2	x -	A818.5-10 -	Cow Creek	60E 60E	0 -	
16	WILSON	MR 11	x -	KR169.2- 252.0-2.5	Wilson Creek	2,050E 510E	1 -	
17	WINDOM	SM 2	x -	A774.5-85 -	Little Arkansas River	175E x	7 -	
18	WINFIELD	SM 2	x -	A703.6-24.1 -	Walnut River	11,000E 4,000E	4 -	
19	WINONA	MR 11	x -	x -	Hackberry Creek	300E x	7 -	
20	WOODBINE	MR 11	x -	x -	Lyons Creek	85E x	7 -	
21	YATES CENTER	SM 4	x -	N279-24 -	Dry Tributary to South Owl Creek	2,400E x	7 -	
22	AUGUSTA CAMP Ta-Wa-Ko-Ni	SM 2	x -	- -	Sante Fe Lake	70E x	7 -	
23	CHANUTE T. B. Hospital	SM 4	x -	N270 -	Neosho River	100E 60E	7 -	
24	CUSTER HILL CAMP	MR 11	x -	K164-3 -	Three Mile Creek	x x	7 -	
25	JUNCTION CITY 4-H Camp	MR 11	x -	x -	Stoney Creek	x x	7 -	
26	LANSING State Penitentiary	MR 12	x -	N399.5-1.0 -	Nine Mile Creek	2,700E 700E	7 -	
27	LARNED State Hospital	SM 2	x -	A898-6 -	Irrigation Canals and Pawnee Creek	3,500E 630E	7 -	
28	LAWRENCE Haskell Institute	MR 11	x -	K40.7-10 -	Wakarusa River	500E 80E	7 -	
29	NORTON State Sanitarium	MR 11	x -	KL169.2- 239.8-60.7	Prairie Dog Creek	1,200E 300E	7 -	
30	OSAWATOMIE State Hospital	MR 14	x -	0369.5 -	Marais des Cygnes River	2,225E 450E	7 -	

INVENTORY OF MUNICIPAL WASTE FACILITIES

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	COUNTY	1960 Population	Estimated Population Served	TYPE SEWER SYSTEM	AVERAGE DAILY FLOW MGD	Des'd For Average Daily Flow MGD P.E. (1000's)	TREATMENT FACILITIES TREATMENT	LINE NO.
1	2	3	4	5	6	7	8	
WESTWOOD HILLS	Johnson	495 -	(495) -	x -	x -	- -	None (thru Kansas City Missouri sewers)	1
WETMORE	Nemaha	390 -	360 -	S -	0.040E -	0.070 0.600	ShClFtrCpBo -	2
* WICHITA	Sedgwick	254,698 -	294,000 -	S -	28.360 -	45.000 500.00	SmGhApCmDcfhrstBoFtrCmLsZil -	3
WICHITA-Bel Aire Imp. D.	Sedgwick	- -	1,000 -	S -	0.100 -	0.090 0.950	Lo -	4
WICHITA-Glenville Imp. D.	Sedgwick	- -	2,000 -	S -	x -	0.250 2.500	ShCmFtrCmDchrBo -	5
WICHITA Hemphill Addition	Sedgwick	. .	(300) -	S -	x -	- -	See Wichita Sunflower Imp. D.	6
WICHITA-Jayhawk Imp. D.	Sedgwick	- -	1,500 -	S -	0.140E -	0.140 1.400	ShClBo -	7
WICHITA Oaklawn	Sedgwick	- -	2,800 -	S -	0.280E -	1.000 5.350	ShClBo -	8
WICHITA Park City	Sedgwick	- -	5,000 -	s -	0.500E -	0.500 5.000	ShCmFtrCpLoDchrtBo -	9
* WICHITA-Sunflower Imp. D	Sedgwick	- -	850 -	S -	x -	0.200 2.000	ShClFtrCpBo -	10
WICHITA-Westlink Imp. D.	Sedgwick	- -	8,000 -	S -	x -	1.400 13.000	CmFtrCmDcrtLoBo -	11
WILSEY	Morris	224 -	240 -	x -	x -	0.030 0.300	Lo -	12
WHITE CITY	Morris	459 -	300 -	S -	0.030E -	0.080 0.800	ShClFtrCpLoBo -	13
WHITEWATER	Butler	499 -	500 -	S -	0.050E -	0.060 0.750	ShClFtrCpBo -	14
WILLOWBROOK	Reno	62 -	60 -	S -	0.010 -	- -	None -	15
WILSON	Ellsworth	905 -	850 -	S -	0.180 -	0.110 1.000	ShClFtrCpBo -	16
WINDOM	McPherson	168 -	175 -	S -	0.010E -	0.020 0.275	Lo -	17
WINFIELD	Cowley	11,117 -	11,000 -	S -	0.970E -	0.900 7.000	SmCmAmCmDfrtBo -	18
WINONA	Logan	393 -	300 -	S -	0.030E -	0.040 0.430	Lo -	19
WOODBINE	Dickinson	173 -	85 -	S -	0.010E -	0.020 0.300	ShClLoBo -	20
* WYANDOTTE TWP S. D. # 7	Wyandotte	- -	1,200 -	S -	0.092 -	- -	None -	21
YATES CENTER	Woodson	2,080 -	1,900 -	S -	0.170E -	0.200 2.500	ShCmFtrCpDcpBo -	22
AUGUSTA CAMP Ta-Wa-Ko-Ni	Butler	250 -	70 -	S -	x -	x 0.070	Lo -	23
CHANUTE T. B. Hospital	Neosho	100 -	100 -	S -	x -	0.010 0.150	ShClFsBo -	24
CUSTER HILL CAMP	Riley	x -	x -	S -	x -	x x	ScCmFtrCpEcDfhrtBo -	25
JUNCTION CITY 4-H Camp	Geary	x -	x -	S -	x -	0.020 0.500	ClFsEchBo -	26
LANSING State Penitentiary	Leavenwoth	1,675 -	2,000 -	S -	0.350 -	0.800 2.400	SchClFtrCpBo -	27
LARNED State Hospital	Pawnee	3,000 -	3,000 -	S -	0.250E -	0.300 3.400	ShClFtrCmLo -	28
LAWRENCE Haskell Institute	Douglas	500 -	500 -	S -	x -	0.150 1.200	ShClAmCpBo -	29
NORTON State Sanitarium	Norton	1,200 -	1,200 -	S -	0.100E -	0.150 1.000	ShClFtrCpFsBo -	30

INVENTORY OF MUNICIPAL WASTE FACILITIES

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LINE NO.	COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	DRAINAGE BASIN Maj. Min.	DRAINAGE BASIN Sub.	WATER-COURSE MILEAGE	DISCHARGE TO	P.E. (BOD) UN-TREATED WASTE	P.E. (BOD) DIS-CHARGED WASTE	Pollution Abatement Needs	REMARKS
	9	10	10a	11	12	13	13	14	15
1	WESTWOOD HILLS	MR 12	x -	- -	Missouri River	-	-	- -	
2	WETMORE	MR 11	x -	K63.3-42 -12-14	Spring Creek	360E	40E	7 -	
3	* WICHITA	SM 2	x -	A763 -	Arkansas River	350,000E	70,000E	7 -	
4	WICHITA-Bel Aire Imp. D.	SM 2	x -	A770-x -	East Fork of Chisholm Creek	1,000E	x	7 -	
5	WICHITA-Glenville Imp. D.	SM 2	x -	A764.0-3.8 -	Big Slough	2,000E	500E	5 -	
6	WICHITA Hemphill Additon	SM 2	x -	- -	Big drainage ditch	-	-	- -	
7	WICHITA-Jayhawk Imp. D.	SM 2	x -	A760(E) -	Arkansas River	1,300E	900E	7 -	
8	WICHITA Oaklawn	SM 2	x -	A766.0 -	Arkansas River	2,800E	1.700E	7 -	
9	WICHITA Park City	SM 2	x -	A768.0-12.5 -	Chisholm Creek	6,500E	500E	1 -	
10	* WICHITA-Sunflower Imp. D.	SM	x	A762.0-3.5	Big drainage ditch	850E	200E	7 -	
11	WICHITA-Westlink Imp. D.	SM 2	x -	x -	Cowskin Creek	8,000E	1.200E	7 -	
12	WILSEY	SM 4	- -	x -	Tributary to Neosho River	240	35	x -	
13	WHITE CITY	SM 4	x -	N470-10 -	Dry Creek	300E	60E	7 -	
14	WHITEWATER	SM 2	x -	A703.6-76.3 -16.2-22.9	West Branch of Whitewater River	400E	80E	7 -	
15	WILLOWBROOK	SM 2	x -	A818.5-10 -	Cow Creek	60E	60E	0 -	
16	WILSON	MR 11	x -	KR169.2- 252.0-2.5	Wilson Creek	2,050E	510E	1 -	
17	WINDOM	SM 2	x -	A774.5-85 -	Little Arkansas River	175E	x	7 -	
18	WINFIELD	SM 2	x -	A703.6-24.1 -	Walnut River	11,000E	4.000E	4 -	
19	WINONA	MR 11	x -	x -	Hackberry Creek	300E	x	7 -	
20	WOODBINE	MR 11	x -	x -	Lyons Creek	85E	x	7 -	
21	* WYANDOTTE TWP S. D. # 7	MR 11	- -	x -	Kansas River	x	x	0 -	
22	YATES CENTER	SM 4	x -	N279-24 -	Dry Tributary to South Owl Creek	3,400E	x	7 -	
23	AUGUSTA CAMP Ta-Wa-Ko-Ni	SM 2	x -	- -	Sante Fe Lake	70E	x	7 -	
24	CHANUTE T. B. Hospital	SM 4	x -	N270 -	Neosho River	100E	60E	7 -	
25	CUSTER HILL CAMP	MR 11	x -	K164-3 -	Three Mile Creek	x	x	7 -	
26	JUNCTION CITY 4-H Camp	MR 11	x -	x -	Stoney Creek	x	x	7 -	
27	LANSING State Penitentiary	MR 12	x -	N399.5-1.0 -	Nine Mile Creek	2,700E	700E	7 -	
28	LARNED State Hospital	SM 2	x -	A898-6 -	Irrigation Canals and Pawnee Creek	3,500E	630E	7 -	
29	LAWRENCE Haskell Institute	MR 11	x -	K40.7-10 -	Wakarusa River	500E	80E	7 -	
30	NORTON State Sanitarium	MR 11	x -	KL169.2- 239.8-60.7	Prairie Dog Creek	1,200E	300E	7 -	

INVENTORY OF MUNICIPAL WASTE FACILITIES

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION 1	COUNTY 2	1960 Population 3	Estimated Population Served 4	TYPE SEWER SYSTEM 5	AVERAGE DAILY FLOW MGD 6	Des'd For Average Daily Flow MGD P.E. (1000's) 7	TREATMENT FACILITIES TREATMENT 8	LINE NO.
OSAWATOMIE State Hospital	Miami	1,775 -	2,225 -	S -	0.180E	0.250 2.500	ShClFtrCpBo -	1
PITTSBURG Mt. Carmel Hospital	Crawford	350 -	350 -	S -	x -	0.060 0.400	ShClFtrCpBo -	2
ST. MARYS St. Marys College	Pottawatomie	220 -	220 -	S -	x -	x x	Cs -	3
TOPEKA Boys Indust. School	Shawnee	283 -	350 -	S -	0.040E -	0.030 0.300	SchClFtrCpBo -	4
TOPEKA Rochester School	Shawnee	500 -	500 -	S -	0.040E -	0.050 0.500	CsFs -	5
TOPEKA St. Vocational Sch.	Shawnee	200 -	200 -	S -	x -	0.045 0.300	ClFtrCpFsBo -	6
TOPEKA State Hospital	Shawnee	2,100 -	(2,100) -	S -	x -	- -	See Topeka -	7
TOPEKA Washburn Rural Sch.	Kansas	350 -	350 -	S -	0.030E -	0.030 0.300	CsFth -	8
WICHITA Sedgwick Boys Home	Sedgwick	80 -	80 -	S -	x -	0.010 0.120	Lo -	9
WICHITA Municipal Airport	Sedgwick	- -	x -	S -	x -	0.030 0.500	ShClFtrCpBo -	10
WINCHESTER Jefferson Co. Hosp.	Jefferson	125 -	125 -	S -	x -	0.010 0.100	ClLo -	11
WINFIELD State Training Sch.	Cowley	2,100 -	2,100 -	S -	0.110E -	0.190 2.500	ShCmFtrCmDcptBo -	12
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INVENTORY OF MUNICIPAL WASTE FACILITIES

STATE	YEAR	PAGE
KANSAS	1962	15 of 15

LINE NO.	COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	DRAINAGE BASIN Maj. Min.	DRAINAGE BASIN Sub.	WATER-COURSE MILEAGE	DISCHARGE TO	P.E. (BOD) UN-TREATED WASTE / DIS-CHARGED WASTE	Pollution Abatement Needs	REMARKS
	9	10	10a	11	12	13	14	15
1	OSAWATOMIE State Hospital	MR 14	x -	0369.5 -	Marais des Cygnes River	2,225E 450E	7 -	
2	PITTSBURG Mt. Carmel Hospital	SM 4	x -	- -	Abandoned mine	350E 70E	7 -	
3	ST. MARYS St. Marys College	MR 11	x -	K107.7 -	Kansas River	220E 200E	5 -	
4	TOPEKA Boys Indust. School	MR 11	x -	K80.2-3.5 -	Soldier Creek	350E 50E	7 -	
5	TOPEKA Rochester School	MR 11	x -	K75-x -	Tributary to Soldier Creek	300E 150E	7 -	
6	TOPEKA St. Vocational Sch.	MR 11	x -	K74.5 -	Deer Creek	200E 50E	7 -	
7	TOPEKA State Hospital	MR 11	x -	- -	Kansas River	- -	- -	
8	TOPEKA Washburn Rural Sch.	MR 11	x -	- -	Dry Ravine	350E 50E	1 -	
9	WICHITA Sedgwick Boys Home	SM 2	x -	x -	Clearwater Creek	80E x	7 -	
10	WICHITA Municipal Airport	SM 2	x -	x -	Big Slough	x x	1 -	
11	WINCHESTER Jefferson Co. Hosp.	MR 11	x -	- -	Dry Ravine	125E x	1 -	
12	WINFIELD State Training Sch.	SM 2	x -	A703.6-27.5 -2.5-0.4	Timber Creek	2,100E 210E	7 -	
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INVENTORY OF MUNICIPAL WASTE FACILITIES

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KANSAS

Community or facility providing sewer service	Communities and/or facilities served
ANDOVER	Butler Co. S.D.#2 Butler Co. S.D.#3 Butler Co. S.D.#4
MISSION TWP S.D.#1	Fairway Mission Woods Overland Park Prairie Village Roseland Park Westwood
MISSION TWP S.D.#2	Glenwood Heights
NEWTON	North Newton
WICHITA	Eastborough
WICHITA-SUNFLOWER IMPROVEMENT DISTRICT	Wichita-Hemphill Addition Topeka
WYANDOTTE TWP S.D.#7	Quindaro TWP S.D.#1

MISSOURI

The data for this State have been collected with the helpful cooperation of the:

Missouri Water Pollution Board

B-75-a

INVENTORY OF MUNICIPAL WASTE FACILITIES

STATE	YEAR	
MISSOURI	1962	PAGE 1 of 16

COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	COUNTY	1960 Population	Estimated Population Served	TYPE SEWER SYSTEM	AVERAGE DAILY FLOW MGD	Des'd For Average Daily Flow MGD P.E. (1000's)	TREATMENT FACILITIES TREATMENT	LINE NO.
1	2	3	4	5	6	7	8	
ADRIAN	Bates	1,082 -	1,000 -	S -	x -	0.110 1.100	Lo -	1
ALBANY	Gentry	1,662 -	1,410 -	S -	x -	0.190 2.500	ShCmAsCmDcrBo -	2
ALMA	Lafayette	390 -	360 -	S -	0.032 -	0.030 0.300	Lo -	3
ARCADIA	Iron	489 -	350 -	S* -	x* -	x* x*	GhClFtnBo* -	4
ASH GROVE	Greene	886 -	870 -	S -	x -	x 1.600	ShCmFtrCmDoBo -	5
AURORA	Lawrence	4,683 -	4,000 -	S -	0.550 -	0.119 11.860	SsCmFtrLoVv -	6
AUXVASSE	Callaway	534 -	390 -	S -	x -	x x	Cs -	7
AVA South Plant	Douglas	1,581 -	100 -	S -	x -	0.090 0.900	Lo -	8
AVA West Plant	Douglas	- -	1,200 -	S -	x -	0.180 1.800	Lo -	9
BARING North Plant	Knox	215 -	215 -	S -	x -	0.010 0.110	Lo -	10
BARING South Plant	Knox	- -	215 -	S* -	x -	0.026 0.260	Lo -	11
BELLE	Maries	1,016 -	965 -	S -	x -	0.200 .000	Lo -	12
BELTON	Cass	4,897 -	4,800 -	S -	x -	.400 4.000	SoGbCmAsCm*Vv (under construction)	13
BENTON	Scott	554 -	500 -	S -	x -	0.100 1.000	Lo -	14
BERNIE	Stoddard	1,578 -	1,580 -	S -	x -	0.250 2.500	Lo -	15
BETHANY	Harrison	2,771 -	2,480 -	S -	x -	0.250 2.500	ClFtrCpBo -	16
BISMARCK	Saint Francois	1,237 -	995 -	S -	x -	0.120 1.200	ShClFtrBo -	17
BLAND	Gasconade	654 -	525 -	S -	0.050 -	0.080 0.800	ShClFtnBo -	18
BLUE SPRINGS Plant # 1	Jackson	2,555 -	1,600 -	S -	x -	0.180 1.800	Lo -	19
BLUE SPRINGS Plant # 2	Jackson	- -	800 -	S -	x -	0.100 1.000	Lo -	20
BOLIVAR	Polk	3,512 -	3,100 -	S -	0.300 -	0.500 5.000	SmCmFthCmDoBo -	21
BOONVILLE	Cooper	7,090 -	5,300 -	CS -	x -	- -	None -	22
BOWLING GREEN	Pike	2,650 -	2,500 -	S -	x -	0.300 3.000	Lo -	23
BRANSON	Taney	1,887 -	2,000-S -	S -	0.360 -	0.329 3.200	ShCmFthCmDoBo -	24
BROOKFIELD	Linn	5,694 -	4,200 -	S -	0.600 -	0.700 7.000	SmCmFtrCmDcmrBo -	25
BRUNSWICK	Chariton	1,493 -	990 -	S -	x -	x x	None (S.T.P. under construction)	26
BUCKLIN Reorganized Sch D #2	Linn	400 -	400 -	S -	0.008 -	0.008 0.400	CsFs -	27
BUCKNER	Jackson	1,198 -	1,100 -	S -	x -	0.100 1.000	Lo -	28
BUFFALO	Dallas	1,477 -	1,220 -	S -	0.150 -	0.180 x	ScCmFtrCmDoBo -	29
BURLINGTON JUNCTION	Nodaway	650 -	450 -	S -	0.030 -	- -	None -	30

INVENTORY OF MUNICIPAL WASTE FACILITIES

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LINE NO.	COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	DRAINAGE BASIN Maj. Min.	DRAINAGE BASIN Sub.	WATER-COURSE MILEAGE	DISCHARGE TO	P.E. (BOD) UN-TREATED WASTE	P.E. (BOD) DIS-CHARGED WASTE	Pollution Abatement Needs	REMARKS
	9	10	10a	11	12	13		14	15
1	ADRIAN	MR 14	- -	0175.6-80- 12	Branch of West Deer Creek	1,000E	100E	7 -	
2	ALBANY	MR 13	- -	G142-41-3 -	East Fork of Grand River	x	x	7 -	
3	ALMA	MR 12	- -	MR300E-x-x -	No discharge	360	0	7 -	
4	ARCADIA	SM 6	- -	SM670-275E -x-x	Stouts Creek	x	x	2 -	*New System is now under construction.
5	ASH GROVE	MR 14	- -	0235.3 -62-15	Branch of Pickerel Creek	x	x	7 -	
6	AURORA	SM 4	- -	G(N)131- 100-15	Douger Branch	5,100E	x	7 -	
7	UXVASSE	MR 12	- -	M119.7-34-3 -	Bynum Creek to Auxvasse Creek	x	x	4 -	
8	AVA South Plant	SM 5	- -	W430-50-13 -	Cowskin Creek to White River	100E	10E	7 -	
9	AVA West Plant	SM 5	- -	W430-50-12 -	Cowskin Creek to White River	1,800E	180E	7 -	
10	BARING North Plant	UM 12	- -	F59-19 -	Bridge Creek, Fabius, and Mississippi Rivers	x	x	7 -	
11	BARING South Plant	UM 12	- -	F59-18 -	Bridge Creek, Fabius, and Mississippi Rivers	x	x	7 -	*Under construction.
12	BELLE	UM 19	- -	M89-10-2 -	Kline Branch	x	x	7 -	
13	BELTON	MR 14	- -	0110-5-17 -	Branch of East Creek	x	x	7 -	*Filtration of raw sludge.
14	BENTON	SM 6	- -	x -	Coney Creek to Little River Drainage System	500E	50E	7 -	
15	BERNIE	SM 6	- -	x -	Little River Drainage System	x	x	7 -	
16	BETHANY	MR 13	- -	G103-20-1 -	East Branch of Big Creek	2,480	1.000	3 -	
17	BISMARCK	UM 19	- -	M34-69-3 -	Beard Branch of Big River	995	250E	2 -	
18	BLAND	UM 19	- -	M94-8-6 -	Branch of Dry Fork	475	150E	1 -	
19	BLUE SPRINGS Plant # 1	MR 12	- -	M325-25 -	Sni-A-Bar Creek	1,600E	160E	7 -	
20	BLUE SPRINGS Plant # 2	MR 12	- -	M325-25 -	Sni-A-Bar Creek	800E	80E	7 -	
21	BOLIVAR	MR 14	- -	0187.2-65-5 -	Town Branch	4,200	840	7 -	
22	BOONVILLE	MR 12	- -	M196.2 -	Missouri River	5,300E	5.300E	0 -	
23	BOWLING GREEN	UM 12	- -	M1,267-21- 23-5E	Pino Creek to Salt River Mississippi River	2,500E	250E	7 -	
24	BRANSON	SM 5	- -	SM591-340E -	Lake Taneycomo and White River	7,060*		7 -	*Industrial P.E. 4,050.
25	BROOKFIELD	MR 13	- -	032-3-20 -	Ditch to West Yellow Creek	4,400	440	7 -	
26	BRUNSWICK	MR 13	- -	G5 -	Grand River	1,740	1.740	7 -	
27	BUCKLIN Reorganized Sch D #2	MR 13	- -	G31-24-9 -	Branch of Mussel Fork	400	40	7 -	
28	BUCKNER	MR 12	- -	M334-7 -	Fire Prairie Creek to Missouri River	1,100E	110E	x -	
29	BUFFALO	MR 14	- -	0187.2- 48-38	Branch of Lindley Creek	1,700E	250E	7 -	
30	BURLINGTON JUNCTION	MR 12	- -	M400.9-71.6 -	Nodaway River	450	450	0 -	

INVENTORY OF MUNICIPAL WASTE FACILITIES

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	COUNTY	1960 Population	Estimated Population Served	TYPE SEWER SYSTEM	AVERAGE DAILY FLOW MGD	Des'd For Average Daily Flow MGD P.E. (1000's)	TREATMENT FACILITIES TREATMENT	LINE NO.
1	2	3	4	5	6	7	8	
BUTLER	Bates	3,791 -	2,700 -	S -	0.180 -	0.760 7.600	Lo -	1
CABOOL	Texas	1,284 -	1,250 -	x -	x -	0.320 0.630	Lo -	2
CALIFORNIA North Plant	Moniteau	2,788 -	1,100 -	S -	0.250* -	0.300 3.000	ScCmFtrCmVv 7 As(Cavitator)Cp**	3
CALIFORNIA South Plant	Moniteau	- -	1,100 -	S -	0.110 -	0.200 2.000	CmFtrCmDoBo -	4
CAMDENTON North Plant	Camden	1,405 -	100 -	S -	x -	x x	Cs -	5
CAMDENTON South Plant	Camden	- -	100 -	S -	x -	x x	Cs -	6
CAMERON	Clinton	3,674 -	2,600 -	S -	0.200 -	0.400 4.000	ScCmFtrCmFsDoBo -	7
CAMPBELL	Dunklin	1,964 -	1,800 -	S -	0.180E -	0.260 2.600	Lo -	8
CANTON	Lewis	2,562 -	1,500 -	S -	x -	- -	None -	9
CAPE GIRARDEAU	Cape Girardeau	24,947 -	20,000 -	CS -	x -	- -	None -	10
CARL JUNCTION	Jasper	1,220 -	1,000 -	S -	0.050 -	0.360 3.600	Lo (under construction)	11
CARROLLTON	Carroll	4,554 -	4,450 -	S -	0.580 -	0.600 6.000	GsCmFtrCmDchBo (under construction)	12
CARTERVILLE	Jasper	1,443 -	700 -	S -	x -	- -	None -	13
CARTHAGE	Jasper	11,264 -	11,000 -	S -	x -	1.200 12.000	GsCmFtrCmVv -	14
CARUTHERSVILLE	Pemiscott	8,643 -	5,700 -	S -	x -	- -	None -	15
CASSVILLE	Barry	1,451 -	1,350 -	S -	x -	0.364 3.640	Lo -	16
CENTER	Ralls	484 -	450 -	S -	x -	0.048 0.480	Lo -	17
CENTRALIA	Boone	3,200 -	3,000 -	S -	x -	0.500 5.000	Lo -	18
CHAFFEE	Scott	2,862 -	2,500 -	S -	x -	0.300 4.000	ScCmFtrCmDoBo -	19
CHAMOIS	Osage	658 -	500 -	S -	x -	0.054 0.540	Lo -	20
CHARLESTON	Mississippi	5,911 -	5,300 -	S -	0.510 -	0.750 7.500	ShCmFtrCmVvXf -	21
CHILLICOTHE	Livingston	9,236 -	8,000 -	CS -	x -	1.300 13.000	SmScGwCmFtrCmDrXd -	22
C[illegible]ENCE	Shelby	1,103 -	900 -	S -	0.500 -	0.051 0.850	ShClFtrBo -	23
CLINTON South East	Henry	6,925 -	2,000 -	S -	x -	0.820 8.200	Lo -	24
CLINTON South West	Henry	- -	4,200 -	S -	x -	0.128 12.800	Lo -	25
COLE CAMP	Benton	853 -	680 -	S -	0.030 -	0.120 1.200	ShClFtrClBo -	26
COLUMBIA Plant # 1	Boone	36,650 -	10,000 -	S -	x -	0.200 20.000	SmGm(OsCm)AsCmDchBo -	27
COLUMBIA Plant # 2	Boone	- -	20,000 -	S -	1.800 -	1.800 15.000	GmCmFtrCmDchBo -	28
COLUMBIA North	Boone	36,650 -	x -	S -	x -	0.192 1.920*	Lo -	29
COLUMBIA South	Boone	- -	x -	S -	x -	0.090 0.920*	Lo -	30

INVENTORY OF MUNICIPAL WASTE FACILITIES

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LINE NO.	COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION 9	DRAINAGE BASIN Maj. Min. 10	DRAINAGE BASIN Sub. 10a	WATER-COURSE MILEAGE 11	DISCHARGE TO 12	P.E. (BOD) UN-TREATED WASTE / DIS-CHARGED WASTE 13	Pollution Abatement Needs 14	REMARKS 15
1	BUTLER	MR 14	- -	C282-8-5 -	Mound Branch	x x	7 -	
2	CABOOL	MR 14	- -	x -	Piney River	4,100 630	x -	
3	CALIFORNIA North Plant	MR 12	- -	M157.5-11-9 -	Brush Creek	1,100 70	7 -	*Includes industrial waste.
4	CALIFORNIA South Plant	MR 12	- -	M137.9-32-3 -	Branch of North Moreau Creek	1,100 220	7 -	**Industrial waste treatment.
5	CAMDENTON North Plant	MR 14	- -	O108-5 -	Branch of Linn Creek	100 50	4 -	
6	CAMDENTON South Plant	MR 14	- -	O112.5-5 -	Niangua River	100 80	4 -	
7	CAMERON	MR 13	- -	G58-50-5 -	Branch of Shoal Creek	2,600E 300E	7 -	
8	CAMPBELL	SM 6	- -	SM670-155E- x-x	Lost Creek	1,800E 180E	7 -	
9	CANTON	UM 12	- -	M1,326 -	Mississippi River	1,500E 1.500E	0 -	
10	CAPE GIRARDEAU	UM 22	- -	M1,035 -	Mississippi River	16,500E 16.500E	0 -	
11	CARL JUNCTION	SM 4	- -	G(N)131-36- 2	Center Creek	1,000E 100E	7 -	
12	CARROLLTON	MR 12	- -	M267.5-14 -	Wakenda Creek	4,500E 500E	7 -	
13	CARTERVILLE	SM 4	- -	G(N)131- 36-11	Branch of Center Creek	700E 700E	0 -	
14	CARTHAGE	SM 4	- -	G(N)131-69 -	Spring River	x x	1 -	
15	CARUTHERSVILLE	SM 6	- -	M870.8 -	Mississippi River	5,700 5.700	7 -	
16	CASSVILLE	SM 5	- -	N549.9-20- 23-20	Flat Creek	1,350E 150E	7 -	
17	CENTER	UM 18	- -	S27-25-12-1 -	Jug Run & Spencer Creeks to Salt River	x x	7 -	
18	CENTRALIA	UM 12	- -	S77-13-32 -3E	Goodwater Creek to Salt River	3,000E 300E	7 -	
19	CHAFFEE	SM 6	- -	x -	Drainage ditch	2,500 120	7 -	
20	CHAMOIS	MR 12	- -	M116E -	Missouri River	500E 70E	7 -	
21	CHARLESTON	SM 6	- -	SM920E-x-x -	Drainage ditch	5,300E 550E	7 -	
22	CHILLICOTHE	MR 13	- -	G60-4 -	North Grand River	11,000E 1.100E	7 -	
23	CLARENCE	UM 12	- -	S87.5-3 -	Crooked Creek to Salt River	900E 100E	2 -	
24	CLINTON South East	MR 14	- -	O175.6-37-8 -	Coal Creek to Grand River	x x	7 -	
25	CLINTON South West	MR 14	- -	O175.6-45 -	Grand River	x x	7 -	
26	COLE CAMP	MR 14	- -	O171-22 -	Cole Camp Creek	680E 80E	7 -	
27	COLUMBIA Plant # 1	MR 12	- -	M170-11-5-1 -	Flat Branch	x x	7 -	
28	COLUMBIA Plant # 2	MR 12	- -	M170-11-5 -	Hinkson Creek	20,000 2.000	7 -	
29	COLUMBIA North	MR 12	- -	M170-17.5- 4.5-2	Bear Creek, Rocky Fork, Perche Creek & Missouri R	x x	4 -	*This is a temporary facility based on 400 P.E. per acre.
30	COLUMBIA South	MR 12	- -	M170-11-4 -	Hinkson Creek	x x	4 -	*This is a temporary facility based on 400 P.E. per acre.

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	COUNTY	1960 Population	Estimated Population Served	TYPE SEWER SYSTEM	AVERAGE DAILY FLOW MGD	Des'd For Average Daily Flow MGD P.E. (1000's)	TREATMENT FACILITIES TREATMENT	LINE NO.
1	2	3	4	5	6	7	8	
CONCORDIA North Plant	Lafayette	1,471 -	500 -	S -	x -	0.706 7.060	Lo -	1
CONCORDIA South Plant	Lafayette	- -	800 -	S -	0.050 -	0.120 1.200	ScClFtrCpBo -	2
CRANE	Stone	954 -	500 -	S -	x -	0.100 1.800	ShCmFthCmDoBo -	3
CROCKER	Pulaski	821 -	400 -	S -	0.020 -	0.150 1.200	ShClFtrCpBo -	4
CRYSTAL CITY	Crystal	3,678 -	3,600 -	S -	x -	- -	None -	5
CUBA	Crawford	1,672 -	1,000 -	S -	0.070 -	0.075 1.000	ShCp(AmCp)DcpBo -	6
CUBA	Crawford	- -	400 -	S -	x -	0.050 0.500	Lo (under construction)	7
DEEPWATER	Henry	712 -	600 -	S -	0.030 -	0.075 1.000	ShClFtrCpBo -	8
DESOTO	Jefferson	5,804 -	5,000 -	S -	0.330 -	0.450 3.700	GhScCpFtrCpBo -	9
DEXTER	Stoddard	5,519 -	5,000 -	S -	0.400 -	0.600 6.000	ScCmFtrCpDhBo -	10
DIXON	Pulaski	1,473 -	1,300 -	S -	0.030 -	0.060 1.000	ShClFtrCpBo -	11
DONIPHAN	Ripley	1,421 -	1,300 -	S -	x -	- -	None -	12
DREXEL	Cass and Bates	651 -	595 -	x -	x -	0.100 1.000	Lo -	13
EAST PRAIRIE	Mississippi	3,449 -	3,000 -	S -	x -	0.400 4.000	Lo -	14
EDINA North East	Knox	1,457 -	900 -	S -	x -	0.130 1.300	Lo -	15
EDINA South West	Knox	- -	400 -	S -	x -	0.044 0.440	Lo -	16
ELLISVILLE	St. Louis	2,732 -	2,000 -	x -	x -	0.400 4.000	Lo -	17
ELDON Plant # 1	Miller	3,158 -	2,400 -	S -	x -	0.240 5.000	ShCmFtrClDoBo -	18
ELDON Plant # 2	Miller	- -	180 -	S -	x -	0.018 0.180	Lo -	19
ELDON Plant # 3	Miller	- -	50 -	S -	x -	0.005 0.050	Lo -	20
ELDON Plant # 4	Miller	- -	70 -	S -	x -	0.007 0.070	Lo -	21
ELDORADO SPRINGS	Cedar	2,864 -	2,600 -	S -	0.280 -	0.500 4.000	CmFtrCmDhLs -	22
ELSBERRY	Lincoln	1,491 -	1,200 -	S -	x -	- -	None -	23
EXCELSIOR SPRINGS	Clay & Ray	6,473 -	5,600 -	S -	x -	1.060 10.600	Lo -	24
FAIRFAX	Atchison	736 -	720 -	x -	x -	- -	None -	25
FARMINGTON	Saint Francois	5,618 -	5,600 -	S -	x -	1.500 10.000	ScCmFtrCmDofhBo -	26
FAYETTE	Howard	3,294 -	2,800 -	S -	0.100 -	0.300 3.000	Lo (under construction)	27
FESTUS	Jefferson	7,021 -	7,000 -	S -	x -	- -	None -	28
FLAT RIVER	Saint Francois	4,515 -	3,720 -	S -	x -	0.600 6.000	ShClBo -	29
FREDERICKTOWN	Madison	3,484 -	3,000 -	S -	0.250 -	0.440 5.500	GaO ScCmFtrCmDchBo -	30

INVENTORY OF MUNICIPAL WASTE FACILITIES

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MISSOURI	1962	3 of 16

LINE NO.	COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	DRAINAGE BASIN Maj. Min.	DRAINAGE BASIN Sub.	WATER-COURSE MILEAGE	DISCHARGE TO	P.E. (BOD) UN-TREATED WASTE DIS-CHARGED WASTE	Pollution Abatement Needs	REMARKS
	9	10	10a	11	12	13	14	15
1	CONCORDIA North Plant	MR 12	- -	M202.2-9.3 -51-11	Davis Creek	500E 50E	7 -	
2	CONCORDIA South Plant	MR 12	- -	M202.2-9.3 -61-6	Panther Creek	800E 120E	7 -	
3	CRANE	SM 5	- -	W549.8- 50-16	Crane Creek	500E 60E	7 -	
4	CROCKER	MR 14	- -	O50-5- -	Branch of Tavern Creek	400 40	7 -	
5	CRYSTAL CITY	UM 22	- -	VM1,113E -	Piattin Creek	3,600E 3.600E	0 -	
6	CUBA	UM 19	- -	M94-11-7 -	Brush Creek	1,000E 100E	4 -	
7	CUBA	UM 19	- -	M94-11-7 -	Brush Creek	400E 50E	7 -	
8	DEEPWATER	MR 14	- -	O175.6-32-3 -	Rait Creek	600E 60E	7 -	
9	DESOTO	UM 22	- -	J50 -	Joachim Creek	5,000E 500E	2 -	
10	DEXTER	SM 6	- -	SM670-175E -x-x	Ditch # 81 to St. Francis River	6,000E 1.000E	7 -	
11	DIXON	MR 14	- -	O9.9-60 -	Maries Creek	1,300E 150E	7 -	
12	DONIPHAN	SM 5	- -	W264.8-96.2 -51.3	Current River	1,300E 1.300E	0 -	
13	DREXEL	MR 14	- -	x -	Mormon Creek	595 90	x -	
14	EAST PRAIRIE	SM 6	- -	x -	Drainage ditch	3,000E 300E	7 -	
15	EDINA North East	UM 12	- -	FL1-44-R25 -3	South Fabius River	900E 90E	7 -	
16	EDINA South West	UM 12	- -	FL144-L25-4 -	Fabius River	400E 40E	7 -	
17	ELLISVILLE	MR 12	- -	x -	Intermittent creek	2,000 300	x -	
18	ELDON Plant # 1	MR 12	- -	M137.9-34 -21-8	Blythe's Creek	2,400E 240E	7 -	
19	ELDON Plant # 2	MR 12	- -	M137.9-34 -21-8E	Blythe's Creek	x x	7 -	
20	ELDON Plant # 3	MR 12	- -	M130-61-11 -	Saline Creek to Osage River	x x	7 -	
21	ELDON Plant # 4	MR 12	- -	M137.9-34 -21-8E	Blythe's Creek	70E 10E	7 -	
22	ELDORADO SPRINGS	MR 14	- -	O253.9-15-3 -	Walnut Creek	2,600E 500E	7 -	
23	ELSBERRY	UM 12	- -	M1,240 -	Mississippi River	1,200E 1.200E	0 -	
24	EXCELSIOR SPRINGS	MR 12	- -	M337.9-13 -9.5	Fishing River	5,600E 560E	7 -	
25	FAIRFAX	MR 12	- -	M523.5-13.2 -	Tarkio River	720 720	0 -	
26	FARMINGTON	SM 6	- -	SM670-250E -	Branch of Wolf Creek	5,600E 1.000E	7 -	
27	FAYETTE	MR 12	- -	M191.6-22 -	Bonne Femme River	2,800E 280E	7 -	
28	FESTUS	UM 22	- -	UM1,113-x-x -	Piattin Creek	7,000E 7.000E	0 -	
29	FLAT RIVER	UM 19	- -	M34-90 -	Flat River	3,720 2.500	2 -	
30	FREDERICKTOWN	SM 6	- -	SM670-260E -x-x	Saline Creek	3,000 450	7 -	

INVENTORY OF MUNICIPAL WASTE FACILITIES

STATE	YEAR	PAGE
MISSOURI	1962	4 of 16

COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	COUNTY	1960 Population	Estimated Population Served	TYPE SEWER SYSTEM	AVERAGE DAILY FLOW MGD	TREATMENT FACILITIES: Des'd For Average Daily Flow MGD / P.E. (1000's)	TREATMENT FACILITIES: TREATMENT	LINE NO.
1	2	3	4	5	6	7	8	
FRIENDLY HOMES	Jackson	400	300	S	x	0.020	CmFs	1
		-	-	-	-	0.300	-	
FULTON	Callaway	11,131	10,600	S	8.500	1.200	GaSmCmFtrCmDchDoBoXd	2
Plant # 1		-	-	-	-	12.000	-	
FULTON	Callaway	-	60	S	x	0.007	Lo	3
		-	-	-	-	0.067	-	
FULTON	Callaway	-	450	S	x	0.048	Lo	4
		-	-	-	-	0.480	-	
GALLATIN	Daviess	1,658	1,300	S	0.130	0.170	ScCmFthCmDoBo	5
		-	-	-	-	1.700	-	
GLADSTONE	Clay	14,502	700	S	0.070	0.070	ClFtrCp*Xd	6
Rolling Hgts Plt # 1		-	-	-	-	0.700	-	
GLADSTONE	Clay	-	350	S	0.035	0.035	ClFtrCp*Xd	7
Rolling Hgts Plt # 2		-	-	-	-	0.350	-	
GLADSTONE	Clay	-	700	S	0.070	0.070	ClFtrCp*Xd	8
Rolling Hgts Plt # 3		-	-	-	-	0.700	-	
GLADSTONE # 10	Clay	-	300	S	x	0.029	Lo	9
		-	-	-	-	0.294*	-	
GLADSTONE	Clay	-	x	S	x	0.385	CmFtrEgCmDoLo	10
Meadowbrook E		-	-	-	-	3.850	-	
GLADSTONE	Clay	-	900	S	x	0.093	Lo	11
North Haven Subd.		-	-	-	-	0.927*	-	
GLADSTONE	Clay	-	1,500	S	0.250	0.320	ShClFtrCpBo	12
Northridge Plant		-	-	-	-	3.200	-	
GLADSTONE	Clay	-	800	S	0.080	0.080	ShClFtrCpDo*Xd	13
Oak Park Plant		-	-	-	-	0.800	-	
GLADSTONE	Clay	-	340	S	x	0.034	Lo	14
Park Tower Subd.		-	-	-	-	0.343*	-	
GLADSTONE	Clay	-	860	S	x	0.090	Lo	15
Rosewood Addition		-	-	-	-	0.860	-	
GLASGOW	Howard	1,200	850	SC	0.068	-	None	16
		-	-	-	-	-	-	
GOLDEN CITY	Barton	714	500	S	0.050	x	ShCmFtrCmDoBo	17
		-	-	-	-	1.500	-	
GRANDVIEW	Jackson	6,027	5,500	S	x	1.000	Lo	18
		-	-	-	-	10.000	-	
GRANT CITY	Worth	1,061	260	S	x	x	ClBo	19
		-	-	-	-	x	-	
GREENFIELD # 1	Dade	1,172	900	S	x	0.118	Lo	20
		-	-	-	-	1.180	-	
GREENFIELD # 2	Dade	-	x	S	x	0.256	Lo	21
		-	-	-	-	2.560	-	
GREENFIELD # 3	Dade	-	150	S	x	0.020	Lo	22
		-	-	-	-	0.200	-	
HAMILTON	Caldwell	1,701	x	S	x	0.127	Lo	23
North		-	-	-	-	1.270	-	
HAMILTON	Caldwell	-	390	S	x	0.039	Lo	24
Southeast		-	-	-	-	0.390	-	
HAMILTON	Caldwell	-	55	x	x	x	Lo	25
Southwest		-	-	-	-	x	-	
HANNIBAL	Marion & Ralls	20,028	14,400	S	1.800	3.000	SmGmCmDfhr*	26
		-	-	-	-	30.000	-	
HARRISONVILLE	Cass	3,510	3,460	S	0.220	0.360	ScCmFtrCmDoBo*Xd	27
		-	-	-	-	3.000	-	
HAYTI	Pemiscott	3,737	2,160	S	0.200	0.160	ShClFtrCpBo	28
		-	-	-	-	1.600	-	
HERCULANEUM	Jefferson	1,767	500	S	x	-	None	29
		-	-	-	-	-	-	
HERMANN	Gasconade	2,536	2,300	S	x	-	None	30
		-	-	-	-	-	-	

INVENTORY OF MUNICIPAL WASTE FACILITIES

STATE	YEAR	PAGE
MISSOURI	1962	4 of 16

LINE NO.	COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	DRAINAGE BASIN		WATERCOURSE MILEAGE	DISCHARGE TO	P.E. (BOD) UN-TREATED WASTE DIS-CHARGED WASTE	Pollution Abatement Needs	REMARKS
		Maj. Min.	Sub.					
	9	10	10a	11	12	13	14	15
1	FRIENDLY HOMES	MR 12	- -	M368.7-26 -.7-1.5-1	Branch to indian Creek	300 75	1 -	
2	FULTON Plant # 1	MR 12	- -	M119.7-8-11 -	Stinson Creek	10,600E 1.100E	7 -	
3	FULTON	MR 12	- -	M119.7-8-10 -1E	Smiths Branch to Stinson Creek	x x	7 -	
4	FULTON	MR 12	- -	M119.7-8-10 -1	Smiths Branch to Stinson Creek	450E 50E	7 -	
5	GALLATIN	MR 13	- -	G90 -	Grand River	1,300 210	4 -	
6	GLADSTONE Rolling Hgts Plt # 1	MR 12	- -	M360.8-14E -	Creek to Missouri River	700 140	7 -	*Liquid sludge.
7	GLADSTONE Rolling Hgts Plt # 2	MR 12	- -	M360.8-14E -	Creek to Missouri River	x x	7 -	*Liquid sludge.
8	GLADSTONE Rolling Hgts Plt # 3	MR 12	- -	M360.8-14E -	Creek to Missouri River	700 140	7 -	*Liquid sludge.
9	GLADSTONE # 10	MR 12	- -	M360.8-14E -	Creek to Missouri River	x x	x -	*Temporary facility.
10	GLADSTONE Meadowbrook N	MR 12	- -	M360.8-14E -	Creek to Missouri River	x x	x -	
11	GLADSTONE North Haven Subd.	MR 12	- -	M360.8-14E -	Creek to Missouri River	x x	x -	*Temporary facility.
12	GLADSTONE Northridge Plant	MR 12	- -	M360.8-14E -	Branch of Shoal Creek	1,500 120	7 -	
13	GLADSTONE Oak Park Plant	MR 12	- -	M360.8-14E -	Branch of Shoal Creek	800 65	7 -	*Liquid sludge.
14	GLADSTONE Park Tower Subd.	MR 12	- -	M360.8-14E -	Creek to Missouri River	x x	- -	*Temporary facility designed at 400 P.E. per acre.
15	GLADSTONE Rosewood Addition	MR 12	- -	M360.8-14E -	Creek to Missouri River	x x	x -	
16	GLASGOW	MR 12	- -	M226.8 -	Missouri River	850 850	0 -	
17	GOLDEN CITY	SM 4	- -	SM575-400E -150E-x-x	Muddy Fork	500 50	7 -	
18	GRANDVIEW	MR 12	- -	M349-40 -	Little Blue River	5,500E 550E	7 -	
19	GRANT CITY	MR 13	- -	G144-18-4 -	Branch of Middle Fork of Grand River	260 175	4 -	
20	GREENFIELD # 1	MR 14	- -	0235.3-55 -12	Wilson Branch	900E 90E	7 -	
21	GREENFIELD # 2	MR 14	- -	0235.3-41 -14E	Whetzel Branch	2,000E* 200E	7 -	*Most of this is due to Milk Plant.
22	GREENFIELD # 3	MR 14	- -	0235.3-41 -14E	Whetzel Branch	150E 15E	7 -	
23	HAMILTON North	MR 13	- -	G83-12 -	Branch of Lick Fork	x x	7 -	
24	HAMILTON Southeast	MR 13	- -	G54-38-7E -	Cottonwood Cr.Shoal Cr.- Grand and Missouri Rivers	x x	7 -	
25	HAMILTON Southwest	MR 13	- -	G54-42-8E -	Tom and Shoal Creeks, Grand and Missouri Rivers	x x	7 -	
26	HANNIBAL	UM 12	- -	M1,291 -	Mississippi River	18,000 11.830E	7 -	*Sludge to river during high stages.
27	HARRISONVILLE	MR 14	- -	0175.6-95 -15	Branch of East Branch of South Grand River	2,500 375	1 -	*Liquid sludge.
28	HAYTI	SM 6	- -	SM85E-x-x -	Drainage ditch	2,160E 220E	1 -	
29	HERCULANEUM	UM 22	- -	UM1,113E -	Meachin Creek	500E 500E	0 -	
30	HERMANN	MR 12	- -	M96.9 -	Missouri River	3,300E 3.300E	0 -	

INVENTORY OF MUNICIPAL WASTE FACILITIES

STATE	YEAR	PAGE
MISSOURI	1962	5 of 16

COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	COUNTY	1960 Population	Estimated Population Served	TYPE SEWER SYSTEM	AVERAGE DAILY FLOW MGD	Des'd For Average Daily Flow MGD / P.E. (1000's)	TREATMENT FACILITIES TREATMENT	LINE NO.
1	2	3	4	5	6	7	8	
HICKMAN MILLS	Jackson	-	175	S	0.013	0.013	ClFs	1
District # 3		-	-	-	-	0.175	-	
HIGGINSVILLE	Lafayette	4,003	1,400	S	x	0.320	Lo	2
North Plant		-	-	-	-	3.200	-	
HIGGINSVILLE	Lafayette	-	1,900	S	x	0.600	Lo	3
South Plant		-	-	-	-	6.000	-	
HOLDEN	Johnson	1,951	1,800	S	x	0.250	ScCmFtrCmBo*	4
		-	-	-	-	2.500	-	
HORNERSVILLE	Dunklin	752	700	S	x	0.150	Lo	5
		-	-	-	-	1.500	-	
HOUSTON	Texas	1,660	400	S	0.040	0.100	ScClFtrCpBo	6
		-	-	-	-	1.000	-	
HUMANSVILLE	Polk	745	745	S	x	0.200	Lo	7
		-	-	-	-	2.000	-	
ILLMO	Scott	1,174	1,100	S	x	0.150	Lo	8
		-	-	-	-	1.500	-	
INDEPENDENCE	Jackson	62,328	15,000	S	x	1.500	CmFtCmDfB	9
East Plant		-	-	-	-	12.000	-	
* INDEPENDENCE	Jackson	-	46,000	S	x	6.500	ScGmCmVv	10
West Side		-	-	-	-	65.00*	-	
INDEPENDENCE	Jackson	-	4,800	S	x	0.540	Lo	11
Trunk Line		-	-	-	-	5.400*	-	
INDEPENDENCE	Jackson	-	2,500	S	x	0.167	Lo	12
Glendale Gardens		-	-	-	-	1.670*	-	
IRONTON	Iron	1,310	1,300	S	x	0.266	Lo	13
		-	-	-	-	2.660	-	
JACKSON	Cape Girardeau	4,875	2,600	S	0.250	0.550	ScCmFtrCmDhBo	14
		-	-	-	-	5.500	-	
JACKSON CO. S. D. #1	Jackson	-	6,500	x	x	-	None	15
Outlet # 1		-	-	-	-	-	-	
JACKSON CO. S. D. #1	Jackson	-	6,500	S	x	-	None	16
Outlet # 2		-	-	-	-	-	-	
JASPER	Jasper	746	700	S	0.150	0.360	Lo	17
		-	-	-	-	3.600	-	
JEFFERSON CITY	Cole	28,228	27,800	CS	x	-	None	18
		-	-	-	-	-	-	
JOPLIN	Jasper & Newton	38,958	26,000	S	8.000	12.000	ScGmCmFtrCmDfhtBoLsVvZil	19
		-	-	-	-	56.700	-	
JOPLIN	Jasper & Newton	-	7,000	S	1.200	4.000	ScGmCmFtrCmDfhBoVvZil	20
		-	-	-	-	23.500	-	
KAHOKA	Clark	2,160	1,800	S	x	0.390	Lo	21
		-	-	-	-	3.900	-	
* KANSAS CITY	Jackson	475,539	45,000	CS	x	-	None	22
		-	-	-	-	-	-	
* KANSAS CITY	Jackson	-	305,000	CS	x	-	None	23
		-	-	-	-	-	-	
KANSAS CITY	Jackson	-	99,000	CS	x	-	None	24
		-	-	-	-	-	-	
KANSAS CITY	Jackson	-	500	S	x	0.016	CsFs	25
Crestview Subd.		-	-	-	-	0.842	-	
KENNETT	Dunklin	9,098	7,000	S	0.650	0.800	ClFtrCmBo	26
		-	-	-	-	8.000	-	
KEYTESVILLE	Chariton	644	600	S	x	0.100	Lo	27
		-	-	-	-	1.000*	-	
KIRKSVILLE	Adair	13,123	5,730	S	x	0.965	SmGmCmFthCmDfhZilVvBo	28
North Plant		-	-	-	-	9.650	-	
KIRKSVILLE	Adai	-	5,500	S	x	0.955	SmGmCmFthCmDfhZilVvBo	29
South Plant		-	-	-	-	9.550	-	
KNOB NOSTER	Johnson	2,292	2,250	S	x	0.500	Lo	30
		-	-	-	-	5.000*	-	

INVENTORY OF MUNICIPAL WASTE FACILITIES

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MISSOURI	1962	5 of 16

LINE NO.	COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	DRAINAGE BASIN Maj. Min.	DRAINAGE BASIN Sub.	WATER-COURSE MILEAGE	DISCHARGE TO	P.E. (BOD) UN-TREATED WASTE DIS-CHARGED WASTE	Pollution Abatement Needs	REMARKS
	9	10	10a	11	12	13	14	15
1	HICKMAN MILLS District # 3	MR 12	- -	M368.7-24-3 -	Tributary to Big Blue River	175 45	7 -	
2	HIGGINSVILLE North Plant	MR 12	- -	M310.8-8-5E -	Branch of Tabo Creek	1,400E 140E	7 -	
3	HIGGINSVILLE South Plant	MR 12	- -	M202.2-9.3- 51-19-3E	Branch of Davis Creek	1,900E 190E	4 -	
4	HOLDEN	MR 12	- -	M202.2-9.3- 102-8E	Branch of Blackwater River	x x	7 -	*Primary clarifier is spiragester.
5	HORNERSVILLE	SM 10	- -	SM670-60E- 100E	Drainage ditch	x x	7 -	
6	HOUSTON	MR 14	- -	G115-59-5 -	Brushy Creek to Big Piney Creek	400 50	7 -	
7	HUMANSVILLE	MR 14	- -	O227-20-15 -	Brush Creek, Sac River and Osage River	x x	7 -	
8	ILLMO	UM 22	- -	M1,030-3 -	Branch of Cape La Croix Creek to Mississippi R.	x x	7 -	
9	INDEPENDENCE East Plant	MR 12	- -	M345.7-18.2 -7	Spring Branch Creek	15,000E x	1 -	
10	INDEPENDENCE West Side	MR 12	- -	M367.4-2E -	Sugar Creek	46,000E x	7 -	*Under construction.
11	INDEPENDENCE Trunk Line	MR 12	- -	x -	Little Blue River	4,800E x	7 -	*Temporary facility based on 300 P.E. per acre.
12	INDEPENDENCE Glendale Gardens	MR 12	- -	M345.7-18- -2E	Spring Branch	x x	7 -	*Temporary facility based on 300 P.E. per acre.
13	IRONTON	SM 10	- -	SM670-280E -x-x	Branch of Stout's Creek	1,300E x	7 -	
14	JACKSON	UM 22	- -	H10-15 -	Hubble Creek	2,600 260	7 -	
15	JACKSON CO. S. D. #1 Outlet # 1	MR 12	- -	M367.4-1 -	Sugar Creek	6,500 6,500	0 -	
16	JACKSON CO. S. D. #1 Outlet # 2	MR 12	- -	M368.3 -	Missouri River	6,500 6,500	0 -	
17	JASPER	SM 4	- -	G(N)131-51 -20	North Fork of Spring River	1,300 0	7 -	
18	JEFFERSON CITY	MR 12	- -	M143 -	Missouri River	27,800E 27,800E	0 -	
19	JOPLIN	SM 4	- -	G(N)131-35 -7	Turkey Creek	50,000 8,500	2 -	
20	JOPLIN	SM 4	- -	G131-29E -	Shoal Creek	7,250 725	7 -	
21	KAHOKA	UM 12	- -	F25-5 -	Brush Creek	2,000E 200E	7 -	
22	* KANSAS CITY	MR 12	- -	M377 -	Missouri River	106,400 106,400	0 -	
23	* KANSAS CITY	MR 12	- -	M368.7-2 -	Blue River	342,000 342,000	0 -	
24	KANSAS CITY	MR 11	- -	M378.9-3.0 -	Kansas River	281,200 281,200	0 -	
25	KANSAS CITY Crestview Subd.	MR 12	- -	M374.2-2 -	Rock Creek	500 50	5 -	
26	KENNETT	SM 6	- -	SM670-180E -	Buffalo Ditch	7,000E 1,700E	1 -	
27	KEYTESVILLE	MR 12	- -	M237-7-3E -	Mussel Fork River and Chariton River	600E 60E	7 -	*Under construction.
28	KIRKSVILLE North Plant	UM 12	- -	S174-9E -	Branch of Steer Creek	5,730E 600E	7 -	
29	KIRKSVILLE South Plant	UM 12	- -	S144-40 -	Bear Creek	5,500E 580E	7 -	
30	KNOB NOSTER	MR 12	- -	M208.2-9-3 -75-10E	Clear Creek	2,300E 230E	7 -	*Under construction.

INVENTORY OF MUNICIPAL WASTE FACILITIES

STATE	YEAR	PAGE
MISSOURI	1960	6 of 16

COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	COUNTY	1960 Population	Estimated Population Served	TYPE SEWER SYSTEM	AVERAGE DAILY FLOW MGD	Des'd For Average Daily Flow MGD P.E. (1000's)	TREATMENT FACILITIES TREATMENT	LINE NO.
1	2	3	4	5	6	7	8	
LADDONIA	Audrain	671 -	575 -	S -	x -	0.070 0.700	Lo -	1
LA GRANGE	Lewis	1,347 -	440 -	S -	x -	- -	None -	2
LAKE LOTAWANNA	Jackson	1,499 -	220 -	S -	x -	0.020 0.200	CmFs (not operated)	3
LAKE WAUKOMIS	Platte	506 -	500 -	S -	x -	x x	ClLo -	4
LAMAR	Barton	3,608 -	2,800 -	S -	0.300 -	0.400 5.000	Lo -	5
LAMAR	Barton	- -	3,000 -	S -	x -	0.900 9.000	Lo -	6
LA MONTE	Pettis	801 -	750 -	S -	x -	0.080 0.800	Lo -	7
LANCASTER	Schuyler	740 -	700 -	S -	x -	0.100 1.000	Lo -	8
LA PLATTE	Macon	1,365 -	1,200 -	S -	x -	0.105 1.500	ClFtnBo -	9
LATHROP	Clinton	1,006 -	740 -	S -	x -	0.090 1.200	ClFtrBo -	10
LEAWOOD*	Jackson	7,466 -	5,000 -	S -	0.250 -	0.225 3.000	ShCmFtrCmDpBo* -	11
LEBANON Plant # 1	Laclede	8,220 -	x -	S -	x -	0.522 8.700	ShCmFtrCrDhtBo -	12
LEBANON Plant # 2	Laclede	- -	x -	S -	0.500 -	0.500 7.000	SsGsCmFtrCmDfhBo -	13
LEES SUMMIT	Jackson	8,267 -	2,300 -	S -	o.250 -	0.533 5.000	SsCmFtrCmDsBo -	14
LEES SUMMIT	Jackson	- -	x -	S -	x -	0.500 5.000	Lo -	15
LEES SUMMIT	Jackson	- -	x -	S -	x -	0.026 0.260	Lo -	16
LEXINGTON	Lafayette	4,845 -	2,350 -	S -	x -	- -	None -	17
LIBERTY	Clay	8,909 -	8,200 -	S -	x -	- -	None -	18
LICKING North	Texas	954 -	560 -	S -	x -	0.100 1.000	Lo -	19
LICKING South	Texas	- -	340 -	S -	x -	0.058 0.580	Lo -	20
LILBOURNE	New Madrid	1,216 -	x -	S -	x -	0.183 1.830	Lo -	21
LINCOLN	Benton	446 -	400 -	S -	x -	0.072 0.720	Lo -	22
LINN CREEK	Camden	170 -	110 -	S -	x -	0.020 0.200	CmFs -	23
LOCKWOOD	Dade	835 -	780 -	S -	0.060 -	0.090 0.900	ShClFtrCmBo*Xd -	24
LOUISIANA	Pike	4,286 -	3,800 -	S -	0.350 -	x 6.500	CmVv -	25
MACON	Macon	4,547 -	4,000 -	CS -	0.440 -	1.060 24.500	GsShCmFtrCmFtrCmVv -	26
MAITLAND	Holt	427 -	435 -	S -	x -	- -	None -	27
MALDEN	Dunklin	5,007 -	4,000 -	S -	0.200 -	0.750 7.500	GsSsCmFtrCmDchBo*Xd -	28
MANSFIELD	Wright	949 -	900 -	S -	0.112 -	0.112 2.000	SsCmFtrCmDsBo -	29
MARCELINE	Linn	2,872 -	2,600 -	S -	x -	0.400 4.000	SsCmFtrCmVv -	30

INVENTORY OF MUNICIPAL WASTE FACILITIES

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LINE NO.	COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	DRAINAGE BASIN Maj. Min.	DRAINAGE BASIN Sub.	WATER-COURSE MILEAGE	DISCHARGE TO	P.E. (BOD) UN-TREATED WASTE DIS-CHARGED WASTE	Pollution Abatement Needs	REMARKS
	9	10	10a	11	12	13	14	15
1	LADDONIA	UM 12	- -	S63-16-15 -	Middle Lick Creek to Salt River	375E 60E	7 -	
2	LA GRANGE	UM 12	- -	M1,319 -	Mississippi River	440E 440E	0 -	
3	LAKE LOTAWANA	MR 12	- -	M366.1-19 -8.1	East Fork of Sni-A-Bar Creek	220 220	4 -	
4	LAKE WAUKOMIS	MR 12	- -	M390-6E -	Line Creek to Missouri River	x x	7 -	
5	LAMAR	AW 4	- -	S(N)131-51 -20-20	North Fork of Spring River	3,400 0	7 -	
6	LAMAR	AW 4	- -	S131-76 -	North Fork of Spring River	x x	7 -	
7	LA MONTE	MR 12	- -	M202-32-48 -	Muddy Creek, Lamine and Missouri Rivers	750E 75E	7 -	
8	LANCASTER	UM 12	- -	F72-19E -	North Branch of Middle Fabius River	700E 70E	7 -	
9	LA PLATTE	MR 10	- -	C5-10-40-16 -	Long Branch to East Fork of Chariton River	1,200 300	1 -	
10	LATHROP	MR 13	- -	G50-45 -	Branch of Shoal Creek	990 225	1 -	
11	LEAWOOD*	MR 12	- -	M368.7-26 -26-1.7-3	Dykes Branch	5,000 750	4 -	*Town located in Kansas, treatment plant is in Missouri.
12	LEBANON Plant # 1	MR 14	- -	O100.5-5-45 -	Dry Auglaize Creek	x x	7 -	
13	LEBANON Plant # 2	MR 14	- -	O100.5-5-45 -	Dry Auglaize Creek	x x	7 -	
14	LEES SUMMIT	MR 12	- -	M345.7-39 -2.5	Cedar Creek	2,300 560	7 -	
15	LEES SUMMIT	MR 12	- -	M345.7-36E -	Little Blue River	x x	x -	
16	LEES SUMMIT	MR 12	- -	M345.7-39 -2E	Cedar Creek	x x	x -	
17	LEXINGTON	MR 12	- -	M321 -	Missouri River	2,350 2,350	0 -	
18	LIBERTY	MR 12	- -	M360.8-4 -	Old Channel to Missouri River	8,200E 8,200E	0 -	
19	LICKING North	MR 14	- -	G115-18-27E -	Spring Creek, Big Piney and Gasconade Rivers	560E 50E	7 -	
20	LICKING South	MR 14	- -	G115-44-8E -	Boone Creek, Big Piney and Gasconade Rivers	340E 35E	7 -	
21	LILBOURNE	LM 6	- -	x -	Drainage ditch	x x	7 -	
22	LINCOLN	MR 14	- -	O179-11-2E -	Br. of Little Tebo R.-Lt. Tebo R.-L. Of The Ozarks	x x	7 -	
23	LINN CREEK	MR 14	- -	O108-3 -	Linn Creek	110 15	4 -	
24	LOCKWOOD	MR 14	- -	O235.3-25 -30	Horse Creek to Sac River	780 125	7 -	*Sludge hauled wet.
25	LOUISIANA	UM 12	- -	M1,263 -	Mississippi River	3,800E 2,500E	x -	
26	MACON	UM 12	- -	S76-50-15E -	Billys Branch	9,400E 1,000E	7 -	
27	MAITLAND	MR 12	- -	M480.9-41.5 -	Nodaway River	435 435	0 -	
28	MALDEN	LM 6	- -	x -	Drainage Ditch # 81	4,000E 400E	7 -	*Liquid sludge.
29	MARSHFIELD	MR 14	- -	O240-10 -	Branch to Wolf Creek	1,500 200	7 -	
30	MARCELINE	MR 13	- -	G3[illegible]-12 -	Branch of East Yellow Creek	2,600E 300E	7 -	

INVENTORY OF MUNICIPAL WASTE FACILITIES

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	COUNTY	1960 Population	Estimated Population Served	TYPE SEWER SYSTEM	AVERAGE DAILY FLOW MGD	Des'd For Average Daily Flow MGD P.E. (1000's)	TREATMENT FACILITIES TREATMENT	LINE NO.
1	2	3	4	5	6	7	8	
MARIONVILLE	Lawrence	1,251 -	500 -	S -	0.020 -	0.060 1.200	ShClFtrCpDcmhBo -	1
MARSHALL North Plant	Saline	9,572 -	6,000 -	S -	x -	0.960 15.000	ScGaCmFtrCmVv -	2
MARSHALL South Plant	Saline	- -	3,000 -	S -	x -	0.563 7.500	ShClFtrCpDp -	3
MARSHFIELD	Webster	2,221 -	2,000 -	S -	x -	0.340 3.400	Lo -	4
MARTINSBURG	Audrain	330 -	300 -	S -	x -	0.046 0.460	Lo -	5
MARYVILLE East Plant	Nodaway	7,807 -	4,500 -	S -	x -	0.500 5.000	ScSmCmFtrCmDfBo -	6
MARYVILLE Southwest Plant	Nodaway	- -	2,200 -	S -	x -	0.400 4.000	ScCmFtrCmDfBo -	7
MAYSVILLE	De Kalb	942 -	750 -	S -	x -	x 1.000	ShClFtrCpBo -	8
MEMPHIS	Scotland	2,106 -	2,000 -	S -	0.200 -	0.250 x	SmCmAmCpDchBo -	9
MENDON Northwest Sch. D. #1	Chariton	210 ..	210 -	S -	0.004 -	0.004 0.210	CmFm -	10
MEXICO Plant # 1	Audrain	12,889 -	3,335 -	S -	0.870 -	1.000 10.000	GhScCmFtrCmDcmhBo -	11
MEXICO Plant # 2	Audrain	- -	x -	S -	x -	0.020 0.200	Lo -	12
MEXICO Morningside Subd.	Audrain	- -	x -	S -	x -	0.200 0.200	Lo -	13
MILAN	Sullivan	1,670 -	x -	S -	x -	0.450 4.500*	Lo -	14
MOBERLY East Plant	Randolph	13,170 -	8,000 -	S -	0.800 -	1.070 16.450	ScGaCmFtrCmDcotBo -	15
MOBERLY West Plant	Randolph	- -	4,000 -	S -	0.400 -	0.530 6.320	ScGaCmFtrCmDcBo -	16
MOBERLY S. D. # 85	Randolph	- -	500 -	S -	x -	0.060 0.600	Lo -	17
MONETT	Barry & Lawrence	5,359 -	4,500 -	S -	x -	1.440 x	ScCmFtrCmDcmrhBoLo -	18
MONROE CITY	Marion & Monroe	2,337 -	2,000 -	S -	0.200 -	0.250 4.100	SmCmFtrCmVvXd -	19
MONTGOMERY CITY	Montgomery	1,918 -	1,200 -	S -	0.120 -	0.120 1.200	Lo -	20
MOUND CITY	Holt	1,249 -	880 -	S -	x -	- -	None -	21
MOUNTAIN GROVE East	Wright	3,176 -	x -	S -	x -	0.216 2.160	Lo -	22
MOUNTAIN GROVE West	Wright	- -	x -	S -	x -	0.242 2.420	Lo -	23
MOUNTAIN VIEW	Howell	936 -	270 -	S -	x -	0.108 1.080	ShClFtrCpBo -	24
MOUNT VERNON	Lawrence	2,381 -	1,700 -	S -	x -	0.400 4.000	ShCmFtrCmDthBo -	25
NEOSHO	Newton	7,452 -	6,500 -	S -	x -	1.730 12.60	GhScCmFthCmDcmfprEgBo -	26
NEVADA North Plant	Vernon	8,416 -	4,800 -	S -	0.450 -	0.600 6.000	GhScApCmFtrCmDchtBo -	27
NEVADA South Plant	Vernon	- -	2,500 -	S -	0.250 -	0.400 4.000	GhScApCmFtrCmDchtBo -	28
NEW FRANKLIN	Howard	1,096 -	800 -	C -	x -	- -	None -	29
NEW HAVEN	Franklin	1,223 -	1,150 -	S -	x -	- -	None -	30

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LINE NO.	COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	DRAINAGE BASIN Maj. Min.	DRAINAGE BASIN Sub.	WATER-COURSE MILEAGE	DISCHARGE TO	P.E. (BOD) UN-TREATED WASTE	P.E. (BOD) DIS-CHARGED WASTE	Pollution Abatement Needs	REMARKS
	9	10	10a	11	12	13	13	14	15
1	MARIONVILLE	SM 4	- -	G(N)131- 100-19	Honey Creek	500	120	7 -	
2	MARSHALL North Plant	MR 12	- -	M202.2-9.3 -12-14	Branch of Salt Fork Creek	6,000E	700E	7 -	
3	MARSHALL South Plant	MR 12	- -	M202.2-9.3 12-14	Gass Creek	x	x	7 -	
4	MARSHFIELD	MR 14	- -	O112.8-110E -	Branch of Niangua River	2,000E	200E	7 -	
5	MARTINSBURG	MR 12	- -	M96-52 -	L'Outre River and Missouri River	300	30	7 -	
6	MARYVILLE East Plant	MR 12	- -	M402.5-79 -59	102 River	4,500	650	4 -	
7	MARYVILLE Southwest Plant	MR 12	- -	M402.5-79 -42-14-4	Creek to White Cloud Creek	2,200	300	4 -	
8	MAYSVILLE	MR 13	- -	G112-10-5-4 -	West Fork of Lost Creek	750E	110E	7 -	
9	MEMPHIS	UM 12	- -	FR1-70 -	Creek to North Fabius River	2,000	300E	7 -	
10	MENDON Northwest Sch. D. #1	MR 13	- -	G32-15 -	Branch of Yellow Creek	210	20	7 -	
11	MEXICO Plant # 1	UM 12	- -	S76-32-3 -	Beaver Dam Creek and Goodwater Creek	10,000E	1,100	7 -	
12	MEXICO Plant # 2	UM 12	- -	S76-32E -	Beaver Dam Creek and South Fork Salt River	x	x	7 -	
13	MEXICO Morningside Subd.	UM 12	- -	S76-32E -	Beaver Dam Creek and South Fork Salt River	x	x	7 -	
14	MILAN	MR 13	- -	G42-30-44E -	East Locust Creek	x	x	7 -	*Under construction.
15	MOBERLY East Plant	UM 12	- -	S76-10-48 -	Elk Fork Creek	8,000	800	7 -	
16	MOBERLY West Plant	MR 13	- -	C5-10-15 -	Troublesome Creek	4,000	800	7 -	
17	MOBERLY S. D. # 85	MR 13	- -	M227-52-9 -	Sugar Cr., E. Fork Little Chariton & Missouri River	500E	50E	7 -	
18	MONETT	SM 4	- -	G(N)131-29 -46-12	Kelley Creek to Shoal Creek	5,700E	600E	7 -	
19	MONROE CITY	UM 12	- -	S66-15 -	Branch of Indian Creek	3,370	x	7 -	
20	MONTGOMERY CITY	MR 12	- -	M95.5-29-8 -	Clear Fork to L'Outre River	1,200	0	7 -	
21	MOUND CITY	MR 12	- -	M500-13.5 -2.5	Davies Creek	880	880	0 -	
22	MOUNTAIN GROVE East	MR 14	- -	G245-10-5 -	Buttermilk Cr., Whetstone Cr. & Gasconade River	x	x	7 -	
23	MOUNTAIN GROVE West	MR 14	- -	G245-10-5 -	Buttermilk Cr., Whetstone Cr.. & Gasconade River	x	x	7 -	
24	MOUNTAIN VIEW	SM 5	- -	SM591-200E -	Branch of Eleven Point River	x	x	7 -	
25	MOUNT VERNON	SM 4	- -	G(N)131-97 -5	Williams Creek	1,700E	400E	7 -	
26	NEOSHO	SM 4	- -	G(N)131-29 -30	Shoal Creek	x	x	1 -	
27	NEVADA North Plant	MR 14	- -	O273.5-15 -3.2	Branch of Marmaton River	4,800E	700E	7 -	
28	NEVADA South Plant	MR 14	- -	O273.5-15 -3.3	Branch of Marmaton River	3,000E	400E	7 -	
29	NEW FRANKLIN	MR 12	- -	M191.6-7 -	Bonne Femme Creek	1,000	1,000	0 -	
30	NEW HAVEN	MR 12	- -	M80.7 -	Missouri River	1,150E	1,150E	0 -	

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	COUNTY	1960 Population	Estimated Population Served	TYPE SEWER SYSTEM	AVERAGE DAILY FLOW MGD	Des'd For Average Daily Flow MGD P.E. (1000's)	TREATMENT FACILITIES TREATMENT	LINE NO.
1	2	3	4	5	6	7	8	
NEWBURG	PHELPS	884	200	S	x	- -	CFHJ	1
NEW MADRID	NEW MADRID	2,867	2,200	S	x	- -	NONE	2
NORBORNE	CARROLL	965		S	x	- -	CIBO	3
N. KANSAS CITY	CLAY	5,657		SC	x	- -	NONE	4
NORINGER	ADA R	500	500	S	0.01	0.05 0.01	CALO	5
ODESSA	LAFAYETTE	2,034	1,850	S	0.15	4.0 0.4	SCCIFTRCPBO	6
O'FALLON	ST. CHARLES	3,770	1,200	S	x	2.4	SHCHFTRCHDOPBOXS	7
O'FALLON #2	ST. CHARLES		500	S	x	1.35 .135	LO	8
O'FALLON #1	ST. CHARLES		300	S	x	.6 .06	LO	9
O'FALLON #3	ST. CHARLES	3,770	1,500	S	x	4.02 .402	LO	10
ORAN	SCOTT	1,090	900	S	x	2.0 .20	LO	11
OSCEOLA	ST. CLAIR	1,066	460	S	x	- -	CS	12
OWENSVILLE	GASCONADE	2,379	2,200	S	x	4.5 .45	LO	13
OZARK	CHRISTIAN	1,536	1,200	S	0.05	1.2 0.12	SHCIFTRCPBO	14
PACIFIC	FRANKLIN - ST. LOUIS	2,795	2,000	S	x	3.62 .362	LO	15
PALMYRA	MARION	2,933	2,500	S	x	2.0 0.15	CIBO	16
PARIS	MONROE	1,393	1,100	S	0.11	1.7 0.17	LO	17

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LINE NO.	COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION 9	DRAINAGE BASIN Maj Min 10	DRAINAGE BASIN Sub 10a	WATER-COURSE MILEAGE 11	DISCHARGE TO 12	P.E. (BOD) UNTREATED WASTE 13	P.E. (BOD) DISCHARGED WASTE 13	Pollution Abatement Needs 14	REMARKS 15
1	NEWBURG	MR -	14	C108-4	LITTLE PINEY CREEK	200E	200E	2 -	FACILITIES NOT USED
2	NEW MADRID	SM -	6	M911.8	MISSISSIPPI RIVER	2200E	2200E	7 -	
3	NORBORNE	MR -	12	M292-13.9-1.3	DITCH TO MOSS CRK	1050	800	4 -	
4	N. KANSAS CITY	MR -	12	M377	MISSOURI RIVER	58300	58300	0 -	*SUMMER *WINTER. LOW MEAN MONTHLY FLOWS
5	NORINGER	MR -	13	C170	CHARITON RIVER	500		7 -	
6	ODESSA	MR -	12	M202.2-9.3-51-36	BRANCH OF DAVIS CREEK	1750		7 -	
7	O'FALLON	UM -	12	M1223-2-3	BRANCH OF PERUQUE CREEK	x *		7 -	*ADDITIONAL 400 STUDENTS IN SUMMER. ** UNDER CONSTRUCTION
8	O'FALLON #2	UM -	12	M1223-7-1	BELLEOU CREEK MISSISSIPPI RIVER	x		x	* UNDER CONSTRUCTION
9	O'FALLON #1	UM -	12	M1223-7-7-$\frac{1}{2}$	BRANCH OF BELLEOU CREEK	300E	30E	7 -	
10	O'FALLON #3	UM -	12	M1223-7-7	BRANCH OF PERUQUE CREEK	x	x	7 -	
11	ORAN	SM -	6	x	COOKED FORK - LITTLE RIVER DRAINAGE SYSTEM	x		7 -	
12	OSCEOLA	MR -	14	O230.9	OSAGE RIVER	460	375	4 -	
13	OWENSVILLE	UM -	19	M75-10-2	FORK OF [illegible]EDOAK CREEK	2200E	220E	7	
14	OZARK	SM -	5	W550-56-14	FINLEY RIVER	820	80	7 -	
15	PACIFIC	UM -	19	M34 E	MERAMEC RIVER	1190	120E	7 -	
16	PALMYRA	UM -	12	N8	NORTH RIVER	1950	910E	2 -	
17	PARIS	UM -	12	S76-5-8-12	MIDDLE FORK OF SALT RIVER	1100	0	7 -	

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION 1	COUNTY 2	1960 Population 3	Estimated Population Served 4	TYPE SEWER SYSTEM 5	AVERAGE DAILY FLOW MGD 6	Des'd For Average Daily Flow MGD / P.E. (1000's) 7	TREATMENT FACILITIES: TREATMENT 8	LINE NO.
PARK HILLS	PLATT	515	515	S	.0525	0.515 .0525	CiFTrCp*	1
PERRY	RALLS	802	600	S	0.4	1.0 .10	Lo	2
PERRYVILLE EAST PLANT	PERRY	5,117	3,000	S	0.28	3.5 0.35	ShCiFTrCpEsBo	3
PERRYVILLE SOUTH PLANT	PERRY		1,600	S	0.14	3.8 0.38	ScCmFTrCmVvXp	4
PERRYVILLE ST. MARY'S SEMINARY	PERRY		250	S	x	.35 .035	Lo	5
PIEDMONT	WAYNE	1,555	1,000	S	x	- -	CsIs *	6
PIEDMONT PLANT #2	WAYNE	1,555	x	S	x	1.0 0.1	ShCiFTrCpBo *	7
PIERCE CITY	LAWRENCE	1,006	900	S	0.06	1.6 0.16	ShCmFTrCmDoBo	8
PILOT GROVE EAST PLANT	COOPER	680	260	S	0.02	0.4 0.03	CiFTrCiBo	9
PILOT GROVE NORTH PLANT	COOPER	680	260	S	0.02	0.4 0.03	CiFTrCiBo (NOT OPERATED)	10
PLATTE CITY	PLATTE	1,188	1,070	S	x	2.0 .20	Lo	11
PLATTSBURG	CLINTON	1,663	1,300	S	x	2.0 0.2	ShC(air)ScCm FfChCmBo*Xb	12
PLEASANT HILL		2,689	2,100	S	x	6.0 .60	Lo	13
POPLAR BLUFF #1	BUTLER	15,926	4,000	S	x	9.8* .98	Lo	14
POPLAR BLUFF #2	BUTLER	15,926	4,500	S	x	12.2* 1.22	Lo	15

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LINE NO.	COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	DRAINAGE BASIN		WATER-COURSE MILEAGE	DISCHARGE TO	P.E. (BOD)		Pollution Abatement Needs	REMARKS
		Maj. Min.	Sub.			UN-TREATED WASTE	DIS-CHARGED WASTE		
	9	10	10a	11	12	13		14	15
1	Park Hills	MR -	12	M390 3.5	Branch of White Aloe Creek	515	130	7 -	*Sludge hauled wet
2	Perry	UM -	12	x	Lick Creek	400	0	7 -	
3	Perryville East Plant	UM -	22	C16	Branch of Cape Cinque Hommes River	2800	300	7 -	
4	Perryville South Plant	UM -	22	CL6	Branch of Cape Cinque Hommes River	1400	140	7 -	
5	Perryville St. Mary's Seminary	UM -	22	x	x	x		7 -	
6	Piedmont #1	SM -	5	x	McKenzie Creek	1000	x	4 -	*Not in use
7	Piedmont Plant #2	SM -	5	x	McKenzie Creek	x		4 -	*Not in use
8	Pierce City	SM -	4	G(N)131-29-50-24	Clear Creek	* 600	** 60	7 -	During canning season add * 1500, ** 150
9	Pilot Grove East Plant	MR -	12	M177-37-2	Branch of Petite Saline Creek	260	80	5 -	
10	Pilot Grove North Plant	MF -	12	M202.2-6-5	Creek to Lamine River	260	80	5 -	
11	Platte City	MR -	12	M402.5-15	Platte River	1070E	100E	7 -	
12	Plattsburg	MR -	12	M402.5-26.5-33-.	Horse Fork Creek	1200	120	7 -	*Liquid Sludge
13	Pleasant Hill	MR -	14	OL75.6	Big Creek	1650	1133	7 -	
14	Poplar Bluff #1	SM -	5	W264.8-210.9	Ditch and Black River	7100E	7100E	7 -	* Under construction
15	Poplar Bluff #2	SM -	5	W264.8-175-19E	Pike Creek Ditch	4500E	450E	7 -	* Under construction

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	COUNTY	1960 Population	Estimated Population Served	TYPE SEWER SYSTEM	AVERAGE DAILY FLOW MGD	Des'd For Average Daily Flow MGD P.E. (1000's)	TREATMENT FACILITIES TREATMENT	LINE NO
1	2	3	4	5	6	7	8	
POPLAR BLUFF # 3	Butler	- -	2,000 -	S -	x -	0.720 7.200*	Lo -	1
PORTAGE DES SIOUX	Saint Charles	371 -	350 -	S -	x -	0.020 0.400	Ca -	2
PORTAGEVILLE	New Madrid	2,505 -	2,000 -	S -	0.200E -	0.500 5.000	ScCmFthCmDfhBo -	3
POTOSI	Washington	2,805 -	2,750 -	S -	x -	0.350 3.500	ShClFtnCmBoLo -	4
PRAIRIE HOME	Cooper	213 -	200 -	S -	x -	0.030 0.300*	Lo -	5
PRINCETON Plant # 1	Mercer	1,443 -	1,240 -	S -	x -	0.165 1.650	Lo -	6
PRINCETON Plant # 2	Mercer	- -	160 -	S -	x -	0.022 0.220	Lo -	7
PUXICO	Stoddard	743 -	700 -	S -	x -	0.100 1.000	Lo -	8
RAVENWOOD	Nodaway	282 -	250 -	S -	x -	0.100 1.000*	Lo -	9
RAYTOWN Plant # 1	Jackson	17,083 -	15,000 -	S -	x -	1.765 17.650	Lo -	10
RAYTOWN Plant # 2	Jackson	- -	3,500 -	S -	x -	0.090 0.900	Lo -	11
REPUBLIC	Green	1,519 -	1,450 -	S -	x -	0.140 1.400	ScCmFtnCmDoBo -	12
RICHLAND	Pulaski	1,662 -	1,600 -	S -	x -	0.380 3.800	Lo -	13
RICHMOND	Ray	4,604 -	3,900 -	S -	0.690 -	0.600 7.200	ScCmFtrCmDoBo*Xd -	14
RIDGEWAY	Harrison	470 -	160 -	S -	0.002 -	0.060 0.800	ClFtnBo -	15
ROCK HILL VILLAGE	Saint Louis	6,523 -	(3,800) -	S -	- -	- -	None (thru Saint Louis Sewers) -	16
ROCKPORT	Atchison	1,310 -	1,000 -	S -	x -	0.210 2.100	Lo -	17
ROLLA East Plant	Phelps	11,1[illegible] -	4,400 -	S -	0.035E -	0.500 5.000	GhScCmFtrCmDcmrBo -	18
ROLLA South Plant	Phelps	- -	7,500 -	S -	0.650 -	1.200 12.000	SgCmFtrCmDpBo -	19
ROLLA Vichev Plant	Phelps	- -	200 -	S -	0.014 -	0.120 1.200	ScCmAmCmDhBo -	20
RUSKIN HEIGHTS SUBD.	Jackson	7,500 -	7,500 -	S -	0.560 -	0.726 9.680	ScCmFtrCmDfhBo -	21
SAINT CHARLES	Saint Charles	21,189 -	16,000 -	SC -	- -	- -	None -	22
SAINT CHARLES	Saint Charles	- -	4,000 -	x -	x -	0.572 5.720	Lo -	23
SAINT CHARLES Heatherbrook Subd.	Saint Charles	- -	200 -	S -	x -	0.020 0.200	Lo -	24
SAINT CLAIR	Franklin	2,711 -	1,000 -	S -	x -	0.870 1.300	ShClFtrCpBo -	25
SAINT CLAIR Clairtown Subd.	Franklin	- -	100 -	S -	x -	0.020 0.200	Lo -	26
SAINTE GENEVIEVE	Sainte Genevieve	4,443 -	4,200 -	S -	x -	0.530 5.300	Lo -	27
SAINT JAMES	Phelps	2,384 -	1,200 -	S -	x -	0.225 2.250	ShClFtrCpBo -	28
SAINT JAMES	Phelps	- -	900 -	S -	x -	0.133 1.330*	Lo -	29
SAINT JAMES	Phelps	- -	100 -	S -	x -	0.012 0.120*	Lo -	30

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LINE NO.	COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	DRAINAGE BASIN Maj. Min.	DRAINAGE BASIN Sub.	WATER-COURSE MILEAGE	DISCHARGE TO	P.E. (BOD) UN-TREATED WASTE DIS-CHARGED WASTE	Pollution Abatement Needs	REMARKS
	9	10	10a	11	12	13	14	15
1	POPLAR BLUFF # 3	SM 5	- -	W264.9-175 -21E	Pike Creek Ditch	2,000E 200E	7 -	*Under construction.
2	PORTAGE DES SIOUX	UM 18	- -	M1,195E -	Mississippi River	x x	4 -	
3	PORTAGEVILLE	SM 6	- -	SM670-160E -x-x	Portage Bay to Little River	2,000 200	7 -	
4	POTOSI	UM 19	- -	M34-59 -	Branch of Mine Breton Creek	x x	7 -	
5	PRAIRIE HOME	MR 12	- -	M177-9-8E -	Branch of Petite Saline Creek to Missouri River	x x	7 -	*Under construction.
6	PRINCETON Plant # 1	MR 13	- -	G64-28-30 -	Weldon River	1,240E 125E	7 -	
7	PRINCETON Plant # 2	MR 13	- -	G64-28-29-2 -	Branch of Weldon River	160E 20E	7 -	
8	PUXICO	SM 6	- -	SM670-270E -	Turkey Creek to Mingo River	700E 70E	7 -	
9	RAVENWOOD	MR 12	- -	M402.5-16 -1E	Branch of Platte River	250E 25E	7 -	*Under construction.
10	RAYTOWN Plant # 1	MR 12	- -	M346-28 -	Little Blue River	15,000 1,500	x -	
11	RAYTOWN Plant # 2	MR 12	- -	M346-34-1E -	Branch of Little Blue River	x x	1 -	
12	REPUBLIC	MR 14	- -	0235.3-94 -2-2	Branch of Pickerel Creek	1,450E 150E	1 -	
13	RICHLAND	MR 14	- -	0116-8.5 -9-7	Conns Creek	1,600 160	7 -	
14	RICHMOND	MR 12	- -	M316.1-12-5 -	West Fork of Crooked River	3,900E 780E	x -	*Liquid sludge.
15	RIDGEWAY	MR 13	- -	G109-20- 10-5	Branch of East Fork of Big Creek	160 40	4 -	
16	ROCK HILL VILLAGE	UM 18	- -	- -	Mississippi River	- -	- -	
17	ROCKPORT	MR 12	- -	M539.1-9 -	Rock Creek	1,000E 100E	7 -	
18	ROLLA East Plant	UM 19	- -	M167.9-17 -5-2	[illegible]rcher Branch of Little Dry Fork Creek	4,400E 450E	7 -	
19	ROLLA South Plant	UM 19	- -	M167.9-17 -5-0.1	Love Creek	7,500E 750E	7 -	
20	ROLLA Vichey Plant	MR 14	- -	G90-15 -	Branch of Spring Creek	200E 20E	7 -	
21	RUSKIN HEIGHTS SUBD.	MR 12	- -	M345.7-42-2 -	Dry Creek to Little Blue River	7,500 1,000	7 -	
22	SAINT CHARLES	UM 18	- -	M1,210-6 -	Drainage Ditch to Mississippi River	4,000E 400E	7 -	
23	SAINT CHARLES	MR 12	- -	M28.1 -	Missouri River	x x	0 -	
24	SAINT CHARLES Heatherbrook Subd.	MR 12	- -	M28E -	Missouri River	x x	7 -	
25	SAINT CLAIR	UM 19	- -	M75-2.5 -	Hamilton Creek	x x	1 -	
26	SAINT CLAIR Clairtown Subd.	UM 19	- -	M75-32 -	Branch of Meramec River	100E 10E	7 -	
27	SAINTE GENEVIEVE	UM 22	- -	1,110-1.2E -	Branch of Mississippi River	4,200E 420E	7 -	
28	SAINT JAMES	UM 19	- -	M165-4-2 -	Dry Fork Creek (Robinson Creek)	1,200 120E	7 -	
29	SAINT JAMES	UM 19	- -	M62-138-5E -	Robinson Creek	x x	7 -	*Under construction.
30	SAINT JAMES	UM 19	- -	M165-4-2E -	Branch of Dry Creek	x x	7 -	*Under construction.

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION 1	COUNTY 2	1960 Population 3	Estimated Population Served 4	TYPE SEWER SYSTEM 5	AVERAGE DAILY FLOW MGD 6	Des'd For Average Daily Flow MGD P.E. (1000's) 7	TREATMENT FACILITIES TREATMENT 8	LINE NO.
SAINT JOSEPH	Buchanan	79,673 -	58,900 -	x -	15.00E -	- -	None -	1
* SAINT LOUIS S. L. M. S. D.*	Saint Louis	750,000 -	750,000 -	SC -	x -	- -	None -	2
SALEM	Dent	3,870 -	2,800 -	S -	x -	0.150 3.000	ShClFtrCpBo -	3
SALISBURY	Chariton	1,787 -	1,400 -	S -	x -	0.270 2.700	ScCmFtrCmDchBo -	4
SANTE FE HILLS	Jackson	1,200 -	(1,000) -	S -	x -	- -	None (thru Kansas City Sewers) -	5
SARCOXIE	Jasper	1,056 -	800 -	S -	x -	0.182 1.820	Lo -	6
SAVANNAH	Andrew	2,455 -	2,000 -	S -	0.200 -	0.250 2.500	ScClFtrCpBo -	7
SCOTT CITY	Scott	1,963 -	1,800 -	S -	x -	0.320 3.200	Lo -	8
SEDALIA North	Pettis	23,874 -	7,000 -	S -	1.200 -	0.950 11.500	ScShGaCmFthrClDfhtBo -	9
SEDALIA Plant # 2	Pettis	- -	4,000 -	S -	0.400 -	0.500 4.700	ShScCmFtrCmDfhBo -	10
SEDALIA West	Pettis	- -	10,000 -	S -	0.750 -	1.150 11.500	ShCmFtnDfhtCmBo -	11
SELMA SUBDIVISION #1	Jefferson	x -	400 -	S -	x -	0.040 0.400	ShClFs -	12
SELMA SUBDIVISION #2	Jefferson	x -	125 -	S -	x -	0.013 0.125	Cs -	13
SENATH	Dunklin	1,369 -	1,000 -	S -	x -	0.250 2.500	Lo -	14
SEYMOUR	Webster	1,046 -	750 -	S -	0.045 -	0.100 1.000	ShClFtrCpBo -	15
SHELBINA	Shelby	2,067 -	1,800 -	S -	x -	0.380 9.700	ScGh[CmAsCm] [CmAsCm] DchBo	16
SHELDON	Vernon	434 -	400 -	S -	x -	0.080 0.800	Lo -	17
SHREWSBURY	Saint Louis	4,730 -	(3,370) -	SC -	x -	- -	None (thru Saint Louis Sewers) -	18
SIKESTON	Scott	13,765 -	12,000 -	S -	1,000 -	1.680 16.800	ScGaCmAsCmDfhBo -	19
SKIDMORE	Nodaway	425 -	250 -	S -	0.025 -	0.087 0.650	ShClFtrCpBo -	20
SLATER	Saline	2,767 -	2,100 -	S -	0.185 -	0.400 4.000	ShScCmAmCmDchBo -	21
SMITHVILLE	Clay	1,254 -	1,200 -	S -	x -	0.200 2.000*	Lo -	22
SNI-A-BAR (N.E.)	Jackson	200 -	200 -	S -	0.012E -	0.015 0.200	CmFs -	23
SPRINGFIELD Northwest Plant	Green	95,865 -	23,000 -	S -	1.200 -	3.000 30.000	ScGmCmAamCaE DcmrBo -	24
SPRINGFIELD Southwest Plant	Green	- -	72,000 -	S -	x -	12.000 164.00	ShScGamCmAsCmDcfhtToBo -	25
STANBERRY	Gentry	1,409 -	1,200 -	S -	x -	0.225 2.250	ShCmFtrCmDrBo -	26
STEELE	Pemiscott	2,301 -	1,500 -	S -	x -	0.300 3.000	Lo -	27
STEELVILLE	Crawford	1,127 -	1,000 -	S -	x -	0.200 2.000	ShClFtrCmBo* -	28
STOCKTON	Cedar	838 -	750 -	S -	x -	0.120 1.200	Lo -	29
STOVER Plant # 1	Morgan	757 -	400 -	S -	x -	0.080 0.800	Lo -	30

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LINE NO.	COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION 9	DRAINAGE BASIN Maj. Min. 10	DRAINAGE BASIN Sub. 10a	WATERCOURSE MILEAGE 11	DISCHARGE TO 12	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE 13	Pollution Abatement Needs 14	REMARKS 15
1	SAINT JOSEPH	MR 12	- -	M460 -	Missouri River	144,780 144.780	0 -	
2	* SAINT LOUIS S. L. M. S. D.*	UM 18	- -	M1,136- M1,151	Mississippi River	750,000E 750,000E	x -	*See end of Inventory for St. Louis M.S.D. & St. Louis C.S.D. entries.
3	SALEM	UM 19	- -	M167.8-30-8 -	Spring Creek	2,800E 650E	1 -	
4	SALISBURY	MR 13	- -	C36-5 -	Branch of Puzzle Creek	1,400E 300E	7 -	
5	SANTE FE HILLS	MR 12	- -	- -	Blue River	- -	- -	
6	SARCOXIE	SM 4	- -	G(N)131-36 -34	Center Creek	800E 80E	7 -	
7	SAVANNAH	MR 12	- -	M472-14 -	Dillon Creek	2,000 300	7 -	
8	SCOTT CITY	UM 22	- -	M1,030-5E -	Diversion Ditch to Mississippi River	1,800E 180E	7 -	
9	SEDALIA North	MR 12	- -	M202.2-29 -34-4	Sewer Branch	80,000 8.000	1 -	
10	SEDALIA Plant # 2	MR 12	- -	M202.2-64 -10-2.8	Breakfast Branch	5,000 500	1 -	
11	SEDALIA West	MR 12	- -	M202.2-29 -40-5	Brushy Creek	10,000E 1.000E	1 -	
12	SELMA SUBDIVISION #1	UM 22	- -	x -	Mississippi River	x x	7 -	
13	SELMA SUBDIVISION #2	UM 22	- -	x -	Mississippi River	x x	x -	
14	SENATH	SM 6	- -	SM670-170E -	Drainage ditch	1,000E 100E	7 -	
15	SEYMOUR	SM 5	- -	W550-56-50 -	Finley Creek	x x	7 -	
16	SHELBINA	UM 12	- -	S87-4-8 -	Branch of Clear Creek	9,000 200	7 -	
17	SHELDON	MR 14	- -	O253.9-52 -	Clear Creek	400E 40E	7 -	
18	SHREWSBURY	UM 18	- -	- -	Mississippi River	- -	- -	
19	SIKESTON	SM 6	- -	SM895-40E -	Drainage ditch	12,000E 1,200E	7 -	
20	SKIDMORE	MR 12	- -	M480.9-49 -	Creek to Nodaway River	250 50	5 -	
21	SLATER	MR 12	- -	M238-10 -	Bear Creek	2,100 200	7 -	
22	SMITHVILLE	MR 12	- -	M402.5-27 -8E	Little Platte River	1,200E 120E	7 -	
23	SNI-A-BAR (N.E.)	MR 12	- -	M368.7-11.5 -5.2-1	Creek to Round Grove Creek	200 20	7 -	
24	SPRINGFIELD Northwest Plant	MR 14	- -	O235.3-45 -55	Dry Sac Fork to Little Sac River	23,000E 2.300E	7 -	
25	SPRINGFIELD Southwest Plant	SM 5	- -	W550-80-16 -	Wilson Creek	72,000E 7.200E	7 -	
26	STANBERRY	MR 13	- -	O147-5 -	Wild Cat Creek	1,200E 120E	7 -	
27	STEELE	SM 6	- -	SM835E-x-x -	Drainage ditch	1,500E 150E	7 -	
28	STEELVILLE	UM 19	- -	M132-6E -	Branch of Meramec River	1,000E 100E	7 -	*Primary clarifier is a Spiragester.
29	STOCKTON	MR 14	- -	O235.3-38 -2.5	Stockton Branch	750E 75E	7 -	
30	STOVER Plant # 1	MR 12	- -	M202-62-20 -	Gabriel Creek to Lamine River to Missouri River	400E 40E	7 -	

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	COUNTY	1960 Population	Estimated Population Served	TYPE SEWER SYSTEM	AVERAGE DAILY FLOW MGD	TREATMENT FACILITIES Des'd For Average Daily Flow MGD P.E. (1000's)	TREATMENT	LINE NO.
1	2	3	4	5	6	7	8	
STOVER Plant # 2	Morgan	- -	300 -	S -	x -	0.060 0.600	Lo -	1
STURGEON Northeast	Boone	619 -	270 -	S -	x -	0.040 0.400*	Lo -	2
STURGEON Southeast	Boone	- -	200 -	S -	x -	0.030 0.300*	Lo -	3
STURGEON Southwest	Boone	- -	120 -	S -	x -	0.018 0.180*	Lo -	4
SUGAR CREEK	Jackson	2,665 -	(2,600) -	S -	x -	- -	See Independense West Side Plant	5
SULLIVAN Plant # 1	Franklin	4,098 -	1,230 -	S -	x -	0.150 1.500	Lo -	6
SULLIVAN Plant # 2	Franklin	- -	910 -	S -	x -	0.111 1.110	Lo -	7
SULLIVAN Plant # 3	Franklin	- -	1,540 -	S -	x -	0.189 1.890	Lo -	8
SWEET SPRINGS	Saline	1,452 -	720 -	S -	x -	0.108 2.000	ShClFtrCpBo -	9
TARKIO	Atchison	2,160 -	1,800 -	S -	x -	0.280 2.800	Lo -	10
THAYER	Oregon	1,713 -	1,600 -	S -	1.150 -	0.413 4.130	Lo -	11
TIPTON # 1	Moniteau	1,639 -	710 -	S -	0.060 -	0.090 0.900	Lo -	12
TIPTON # 2	Moniteau	- -	800 -	S -	x -	0.114 1.140	Lo -	13
TRENTON # 1	Grundy	6,262 -	x -	S -	1.000 -	0.900 9.000	ShCmFtrCmVv -	14
TRENTON # 2	Grundy	- -	1,700 -	S -	x -	0.210 2.100	Lo -	15
TROY	Lincoln	1,779 -	1,600 -	S -	0.130 -	0.240 2.400	ShClFtrCmBo -	16
UNION	Franklin	3,937 -	3,800 -	S -	x -	0.720 7.200	Lo -	17
UNIONVILLE North Plant	Putnam	1,896 -	300 -	S -	0.030 -	0.040 0.400	ClFtmBo -	18
UNIONVILLE South Plant	Putnam	- -	1,500 -	S -	0.150 -	0.160 1.600	ClFtmBo -	19
VANDALIA	Audrain	3,055 -	2,500 -	S -	x -	0.400 4.000	Lo -	20
VERSAILLES	Morgan	2,047 -	1,500 -	S -	0.150 -	0.200 2.000	ShClFtrCpBo -	21
WALKER'S SUBDIVISION	Jackson	580 -	580 -	S -	x -	0.060 0.600	CmFs -	22
WARRINSBURG East Plant	Johnson	9,689 -	4,800 -	S -	0.480E -	0.700 7.000	ShSeGaCmFtrCmDfhBo -	23
WARRENSBURG West Plant	Johnson	- -	4,200 -	S -	0.150E -	0.700 7.000	ShSoGaCmFtrCmDfhBo -	24
WARRENTON	Warren	1,869 -	1,800 -	S -	0.150 -	0.300 3.000	ShClFtrCmBo*Xd -	25
WARSAW	Benton	1,054 -	900 -	S -	x -	0.350 3.500	CsLo -	26
WASHINGTON	Franklin	7,961 -	7,000 -	S -	x -	- -	None -	27
WAVERLY	Lafayette	837 -	600 -	S -	x -	- -	None -	28
WAYNESVILLE	Pulaski	2,377 -	2,200 -	S -	x -	0.400 4.000	GhSeCmFtrCmEhDcmrBo -	29
WEBB CITY	Jasper	6,740 -	5,000 -	S -	x -	- -	None -	30

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LINE NO.	COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION 9	DRAINAGE BASIN Maj. Min. 10	DRAINAGE BASIN Sub. 10a	WATER-COURSE MILEAGE 11	DISCHARGE TO 12	P.E. (BOD) UN-TREATED WASTE / DIS-CHARGED WASTE 13	Pollution Abatement Needs 14	REMARKS 15
1	STOVER Plant # 2	MR 12	- -	M202-62-20 -	Gabriel Creek to Lamine River to Missouri River	300E 30E	7 -	
2	STURGEON Northeast	UM 12	- -	S61-32-9-8 -	Saling Creek	270E 30E	7 -	*Under construction.
3	STURGEON Southeast	UM 12	- -	S61-32-9-10 -	Saling Creek	300E 20E	7 -	*Under construction.
4	STURGEON Southwest	UM 12	- -	S61-32-9-11 -	Saling Creek	120E 10E	7 -	*Under construction.
5	SUGAR CREEK	MR 12	- -	- -	Sugar Creek	- -	- -	
6	SULLIVAN Plant # 1	UM 19	- -	M62-47-10 -8E	Branch of Spring Creek	1,230E 120E	7 -	
7	SULLIVAN Plant # 2	UM 19	- -	M62-47-10 -9E	Branch of Spring Creek	910E 90E	7 -	
8	SULLIVAN Plant # 3	UM 19	- -	M62-47-10 -9E	Branch of Spring Creek	1,540E 155E	7 -	
9	SWEET SPRINGS	MR 12	- -	M202.2-9.3 -51-0.5	Davis Creek	1,320 100	7 -	
10	TARKIO	MR 12	- -	M523.5-20-2 -	Tarkio Creek	1,800E 180E	7 -	
11	THAYER	SM 5	- -	X -	Spring River	1,600E 160E	7 -	
12	TIPTON # 1	MR 12	- -	M157.5-39 -	Branch of Moniteau Creek	710E 70E	7 -	
13	TIPTON # 2	MR 12	- -	M138-34- 54-2	Branch of Moreau Creek	800E 80E	7 -	
14	TRENTON # 1	MR 13	- -	G64-20-12E -	Thompson River	15,000E 3.700E	1 -	
15	TRENTON # 2	MR 13	- -	G64-25-3E -	Branch of Thompson River	1,700E 170E	7 -	
16	TROY	UM 12	- -	C26-2 -	Cuivre River	1,600E 160E	7 -	
17	UNION	UM 19	- -	M62-10 -	Bourbeuse River	4,000E 400E	7 -	
18	UNIONVILLE North Plant	MR 13	- -	C148-8-R20 -5	Branch of North Blackbird Creek	300 75	4 -	
19	UNIONVILLE South Plant	MR 13	- -	C148-8 -L20-5	Branch of South Blackbird Creek	1,500 700	4 -	
20	VANDALIA	UM 12	- -	S27-30 -	Spencer Creek	2,500E 250E	7 -	
21	VERSAILLES	MR 12	- -	M137.9-34 -41-18	Straight Fork of North Moreau River	1,500E 300E	5 -	
22	WALKER'S SUBDIVISION	MR 12	- -	M368.7-26 -1.7-1.5-.3	Creek to Dykes Branch	580 70	7 -	
23	WARRENSBURG East Plant	MR 12	- -	M202.2-9.3 -81-5-2	Branch of Bear Creek	4,800E 600E	7 -	
24	WARRENSBURG West Plant	MR 12	- -	M202.2-9.3 -88-4-1	Creek to Post Oak Creek	4,200E 550E	7 -	
25	WARRENTON	UM 12	- -	C12-28 -	Branch of Big Creek	1,800E 350E	7 -	*Liquid sludge.
26	WARSAW	MR 14	- -	O173.3 -	Lake of the Ozarks (Osage River)	1,300E 130E	7 -	
27	WASHINGTON	MR 12	- -	M66.8 -	Missouri River	8,000E 8.000E	0 -	
28	WAVERLY	MR 12	- -	M297.2 -	Missouri River	600E 600E	0 -	
29	WAYNESVILLE	MR 14	- -	G141-5-3 -	Roubidoux Creek to Gasconade River	2,200E 300E	7 -	
30	WEBB CITY	SA 4	- -	G(N)131-36 -7	Branch of Center Creek	5,000E 5.000E	0 -	

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	COUNTY	1960 Population	Estimated Population Served	TYPE SEWER SYSTEM	AVERAGE DAILY FLOW MGD	Des'd For Average Daily Flow MGD P.E. (1000's)	TREATMENT FACILITIES TREATMENT	LINE NO.
1	2	3	4	5	6	7	8	
WELLSVILLE	Montgomery	1,523 -	1,300 -	S -	0.100E -	0.214 2.140	Lo -	1
WENTZVILLE Plant # 1	Saint Charles	2,742 -	920 -	S -	x -	0.100 1.000	ShClFtrCpBo -	2
WENTZVILLE Plant # 2	Saint Charles	- -	1,600 -	S -	x -	0.192 1.920	Lo -	3
WESTON	Platt	1,057 -	800 -	S -	x -	0.180 1.800	Lo -	4
WEST PLAINS	Howell	5,836 -	4,000 -	S -	0.450 -	0.400 4.000	ShCaFtrCnDcpBo -	5
WHEATON	Barry	341 -	300 -	S -	x -	0.104 1.040	Lo -	6
WILLOW SPRINGS	Howell	1,913 -	1,700 -	S -	x -	0.140 1.800	ShClFtrCpBo -	7
WINDSOR Southeast Plant	Henry	2,714 -	600 -	S -	x -	0.090 0.900	ShClFtrCpBo -	8
WINDSOR Southwest Plant	Henry	- -	2,000 -	S -	0.190 -	0.200 2.000	ShClFtrClBo -	9
WORNALL GARDENS	Jackson	420 -	300 -	S -	x -	x 0.310	CaFs -	10
WRIGHT CITY	Warren	738 -	675 -	S -	0.040 -	0.060 0.750	ShClFtrCpBo -	11
S. L. M. S. D. * Affton Area	Saint Louis	x -	5,000 -	S -	x -	x x	ShClFtrCpBo -	12
S. L. M. S. D. Arbor Terrace	Saint Louis	1,225 -	1,200 -	C -	x -	- -	None -	13
S. L. M. S. D. Ashwell Place Subd.	Saint Louis	100 -	100 -	S -	x -	x x	CaFs -	14
S. L. M. S. D. Atwater Terrace Subd	Saint Louis	525 -	370 -	S -	x -	- -	None -	15
S. L. M. S. D. Bella Villa Area	Saint Louis	779 -	800 -	S -	x -	- -	None -	16
S. L. M. S. D. Bellerive	Saint Louis	314 -	315 -	S -	x -	- -	None -	17
S. L. M. S. D. Bel Nor	Saint Louis	2,388 -	2,390 -	S -	x -	- -	None -	18
S. L. M. S. D. Belvaire Pl. Subd.	Saint Louis	314 -	315 -	S -	x -	x x	ClFs -	19
S. L. M. S. D. Berkeley	Saint Louis	18,676 -	16,800 -	x -	x -	x x	CnDcBo -	20
S. L. M. S. D. Berkeley	Saint Louis	- -	1,000 -	S -	x -	- -	None -	21
S. L. M. S. D. Beverly Hills	Saint Louis	849 -	800 -	x -	x -	- -	None -	22
S. L. M. S. D. Brentwood	Saint Louis	12,250 -	12,250 -	S -	x -	- -	None -	23
S. L. M. S. D. Bridgeport	Saint Louis	60 -	60 -	x -	x -	x x	Co -	24
S. L. M. S. D. Bridgeton	Saint Louis	7,820 -	1,930 -	S -	x -	- -	None -	25
S. L. M. S. D. Bridgeton Terrace	Saint Louis	625 -	625 -	S -	x -	x x	ShCl -	26
S. L. M. S. D. Brownleigh Subd.	Saint Louis	900 -	900 -	S -	x -	- -	None -	27
S. L. M. S. D. Buder Park	Saint Louis	400 -	(500) -	S -	x -	- -	See Woodson Terrace -	28
S. L. M. S. D. Cardinal Hills Subd.	Saint Louis	75 -	75 -	S -	x -	x x	CaFs -	29
S. L. M. S. D. Carsonville	Saint Louis	4,500 -	5,000 -	S -	x -	- -	None -	30

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STATE	YEAR	PAGE
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LINE NO.	COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION 9	DRAINAGE BASIN Maj. Min. 10	DRAINAGE BASIN Sub. 10a	WATER-COURSE MILEAGE 11	DISCHARGE TO 12	P.E. (BOD) UN-TREATED WASTE DIS-CHARGED WASTE 13	Pollution Abatement Need 14	REMARKS 15
1	WELLSVILLE	MR 12	- -	M95.5-34 -9-2	Coal Branch of Little L'Outre Creek	1,300 0	7 -	
2	WENTZVILLE Plant # 1	UM 12	- -	P23 -	Peruque Creek	920 150	1 -	
3	WENTZVILLE Plant # 2	UM 12	- -	M1,220-21 -4-4E	Branch of Cuivre Creek	1,600E 160E	7 -	
4	WESTON	MR 12	- -	M414.8-2E -	Bear Creek	800E 80E	7 -	
5	WEST PLAINS	SM 5	- -	W264.8-72 -56	Town Creek	7,600E 800E	1 -	
6	WHEATON	SM 1	- -	x -	Indian Creek to Elk Creek	300E 30E	7 -	
7	WILLOW SPRINGS	SM 5	- -	W264.8-72- 3.6	Eleven Point River	x x	1 -	
8	WINDSOR Southeast Plant	MR 14	- -	O175.6-3- 13-8-11	Branch of East Tebo Creek	x x	7 -	
9	WINDSOR Southwest Plant	MR 14	- -	O175.6-3- 13-8-10	East Tebo Creek	x x	1 -	
10	WORNALL GARDENS	MR 12	- -	M369.7-26- 1.7-1.5-.8	Creek to Dykes Branch	300 75	7 -	
11	WRIGHT CITY	UM 12	- -	P36 -	Peruque Creek	675E 80E	7 -	
12	S. L. M. S. D. * Affton Area	UM 18	- -	M1,136-1-x -	Branch of Gravois Creek	x x	4 -	
13	S. L. M. S. D. Arbor Terrace	UM 18	- -	M1,149-x -	Harlem Creek to Mississippi River	x x	0 -	
14	S. L. M. S. D. Ashwell Place Subd.	UM 18	- -	M1,136-x -	Branch to River Des Peres	x x	4 -	
15	S. L. M. S. D. Atwater Terrace Subd	UM 18	- -	M1,151.5 -	Mississippi River	x x	0 -	
16	S. L. M. S. D. Bella Villa Area	UM 18	- -	M1,136-1-1 -	Gravois Creek	800 800	0 -	
17	S. L. M. S. D. Bellerive	UM 18	- -	M1,151.5 -	Mississippi River	x x	0 -	
18	S. L. M. S. D. Bel Nor	UM 18	- -	M1,151.5 -	Mississippi River	x x	0 -	
19	S. L. M. S. D. Belvaire Pl. Subd.	MR 12	- -	MR7-11-3 -	Creek to Coldwater Creek	315E x	4 -	
20	S. L. M. S. D. Berkeley	MR 12	- -	MR7-15.8-1 -	Effluent and bypass to Coldwater Creek	x x	4 -	
21	S. L. M. S. D. Berkeley	UM 18	- -	M1,151.5 -	Mississippi River	x x	0 -	
22	S. L. M. S. D. Beverly Hills	UM 18	- -	M1,149-x -	Harlem Creek to Mississippi River	x x	0 -	
23	S. L. M. S. D. Brentwood	UM 18	- -	M1,136-7E -2E	Deer Creek to River Des Peres to Mississippi R.	x x	0 -	
24	S. L. M. S. D. Bridgeport	MR 12	- -	MR7-17 -	Coldwater Creek	x x	4 -	
25	S. L. M. S. D. Bridgeton	MR 12	- -	MR7-5E -	Creek to Coldwater Creek to Missouri River	x x	0 -	
26	S. L. M. S. D. Bridgeton Terrace	MR 12	- -	MR7-17-5 -	Coldwater Creek	x x	4 -	
27	S. L. M. S. D. Brownleigh Subd.	UM 18	- -	M1,151.5 -	Mississippi River	x x	0 -	
28	S. L. M. S. D. Buder Park	MR 12	- -	- -	Coldwater Creek to Missouri River	- -	- -	
29	S. L. M. S. D. Cardinal Hills Subd.	UM 18	- -	M1,136-1-x -	Gravois Creek	x x	4 -	
30	S. L. M. S. D. Carsonville	UM 18	- -	M1,151.5 -	Mississippi River	x x	0 -	

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	COUNTY	1960 Population	Estimated Population Served	TYPE SEWER SYSTEM	AVERAGE DAILY FLOW MGD	Des'd For: Average Daily Flow MGD P.E. (1000's)	TREATMENT FACILITIES: TREATMENT	LINE NO.
1	2	3	4	5	6	7	8	
S. L. M. S. D. Clayton	Saint Louis	15,245 -	15,245 -	C -	x -	- -	None -	1
S. L. M. S. D. Coburg Lands Subd.	Saint Louis	300 -	300 -	S -	0.007E -	x x	ShClBo -	2
S. L. M. S. D. Coburg Ridge Subd.	Saint Louis	110 -	110 -	S -	0.010 -	0.010 0.130	CsFs -	3
S. L. M. S. D. Crescent Acres Subd.	Saint Louis	x -	x -	x -	x -	x x	CpEg -	4
S. L. M. S. D. Creve Coeur	Saint Louis	5,122 -	2,600 -	x -	x -	- -	None -	5
S. L. M. S. D. Crystal Lake Park	Saint Louis	307 -	300 -	S -	x -	- -	None -	6
S. L. M. S. D. Curtis	Saint Louis	1,500 -	1,500 -	CS -	0 x -	- -	None -	7
S. L. M. S. D. Des Peres	Saint Louis	4,362 -	2,000 -	S -	x -	x x	Cs -	8
S. L. M. S. D. E. River View Gdns.	Saint Louis	3,706 -	3,335 -	S -	x -	- -	None -	9
S. L. M. S. D. Edmundson	Saint Louis	1,428 -	1,430 -	S -	x -	x x	ShCl -	10
S. L. M. S. D. Elmwood*	Saint Louis	1,000 -	750 -	S -	x -	- -	None -	11
S. L. M. S. D. Fair Acres # 6 Subd.	Saint Louis	150 -	150 -	S -	0.015E -	x x	ShAseCp (under construction)	12
S. L. M. S. D. Ferguson	Saint Louis	22,149 -	23,000 -	S -	x -	- -	None -	13
S. L. M. S. D. Florissant	Saint Louis	38,166 -	38,165 -	S -	x -	- -	None -	14
S. L. M. S. D. Forest Hills*	Saint Louis	75 -	75 -	S -	x -	- -	None -	15
S. L. M. S. D. Glendale	Saint Louis	7,048 -	1,760 -	S -	x -	- -	None -	16
S. L. M. S. D. Glen Echo Park	Saint Louis	333 -	335 -	S -	x -	- -	None -	17
S. L. M. S. D. Goodfellow Terrace	Saint Louis	824 -	800 -	x -	x -	- -	None -	18
S. L. M. S. D. Grantwood Village	Saint Louis	676 -	400 -	C -	x -	- -	None -	19
S. L. M. S. D. Green Pk. Hills Subd	Saint Louis	250 -	250 -	S -	x -	x x	Cs -	20
S. L. M. S. D. Hanley-Page Area	Saint Louis	3,000 -	3,000 -	S -	x -	- -	None -	21
S. L. M. S. D. Hoeve Hill and*	Saint Louis	1,500 -	1,500 -	x -	x -	x x	Cs -	22
S. L. M. S. D. Huntleigh	Saint Louis	375 -	375 -	x -	x -	- -	None -	23
S. L. M. S. D. Jennings	Saint Louis	19,965 -	18,000 -	S -	x -	- -	None -	24
S. L. M. S. D. Kirkwood*	Saint Louis	29,421 -	24,000 -	CS -	x -	x x	GaSoCmAsCmDfhBo -	25
S. L. M. S. D. Kirkwood*	Saint Louis	- x	8,000 -	x -	x -	x x	ShCmAsCmDfhBoL -	26
S. L. M. S. D. Le Due	Saint Louis	9,466 -	5,000 -	x -	x -	- -	None -	27
S. L. M. S. D. La Due Area	Saint Louis	- -	4,000 -	x -	x -	- -	None -	28
S. L. M. S. D. Lake Sherwood Subd.	Saint Louis	100 -	100 -	S -	x -	x x	ClFs -	29
S. L. M. S. D. Le May	Saint Louis	10,000 -	10,000 -	S -	x -	- -	None -	30

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LINE NO.	COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION 9	DRAINAGE BASIN Maj. Min. 10	DRAINAGE BASIN Sub. 10a	WATER-COURSE MILEAGE 11	DISCHARGE TO 12	P.E. (BOD) UN-TREATED WASTE / DIS-CHARGED WASTE 13	Pollution Abatement Needs 14	REMARKS 15
1	S. L. M. S. D. Clayton	UM 18	- -	M1,136-7E -1E	Deer Creek to River Des Peres to Mississippi R.	x x	0 -	
2	S. L. M. S. D. Coburg Lands Subd.	UM 18	- -	M1,171-2-1 -	Watkins Creek to Mississippi River	300 210	x -	
3	S. L. M. S. D. Coburg Ridge Subd.	UM 18	- -	x -	Watkins Creek to Mississippi River	110 35	7 -	
4	S. L. M. S. D. Crescent Acres Subd.	UM 18	- -	M156-1-6 -	Branch of Gravois Creek	x x	x -	
5	S. L. M. S. D. Creve Coeur	UM 18	- -	M1,136-7E -10E	Deer Creek to River Des Peres to Mississippi R.	x x	0 -	
6	S. L. M. S. D. Crystal Lake Park	UM 18	- -	M1,136-7E -	Deer Creek to River Des Peres to Mississippi R.	x x	0 -	
7	S. L. M. S. D. Curtis	UM 18	- -	x -	Mississippi River	x x	0 -	
8	S. L. M. S. D. Des Peres	UM 18	- -	M1,136-x -	Deer Creek to River Des Peres to Mississippi R.	x x	0 -	
9	S. L. M. S. D. E. River View Gdns.	UM 18	- -	M1,151.5 -	Mississippi River	x x	0 -	
10	S. L. M. S. D. Edmundson	MR 12	- -	MR7-15.8-2 -	Creek to Coldwater Creek	x x	4 -	
11	S. L. M. S. D. Elmwood*	UM 18	- -	M1,136-x -	University City Branch of River Des Peres to**	x x	0 -	*Unincorporated Area. **Mississippi River.
12	S. L. M. S. D. Fair Acres # 6 Subd.	UM 18	- -	M1,176-6E -	Watkins Creek to Mississippi River	x x	7 -	
13	S. L. M. S. D. Ferguson	UM 18	- -	M1,151.5 -	Mississippi River	x x	0 -	
14	S. L. M. S. D. Florissant	MR 12	- -	M7-12 -	Coldwater Creek	x x	0 -	
15	S. L. M. S. D. Forest Hills*	UM 18	- -	M1,151.5 -	Mississippi River	x x	0 -	*Terrace Subdivision.
16	S. L. M. S. D. Glendale	UM 18	- -	M1,136-7E -	Mississippi River	x x	0 -	
17	S. L. M. S. D. Glen Echo Park	UM 18	- -	M1,136-x -	Branch of River Des Peres to Mississippi River	x x	0 -	
18	S. L. M. S. D. Goodfellow Terrace	UM 18	- -	M1,150-x -	Baden Creek to Mississippi River	x x	0 -	
19	S. L. M. S. D. Grantwood Village	UM 18	- -	M1,136-x -	Gravois Creek	x x	0 -	
20	S. L. M. S. D. Green Pk. Hills Subd	UM 18	- -	M1,136-1-4E -	Gravois Creek	x x	4 -	
21	S. L. M. S. D. Hanley-Page Area	UM 18	- -	x -	Mississippi River	x x	0 -	
22	S. L. M. S. D. Heege Hill and*	UM 18	- -	M1,136-x -	Branch of River Des Peres to Mississippi River	x x	4 -	*View Subdivision.
23	S. L. M. S. D. Huntleigh	UM 18	- -	M1,136-7E-x -	Deer Creek to River Des Peres to Mississippi R.	x x	0 -	
24	S. L. M. S. D. Jennings	UM 18	- -	M1,151.5 -	Mississippi River	x x	0 -	
25	S. L. M. S. D. Kirkwood*	UM 18	- -	M1,136-1-7E -	Branch of Gravois Creek	x x	4 -	*Leffingwell Plant.
26	S. L. M. S. D. Kirkwood*	UM 19	- -	M1,125-20E -x	Sugar Creek to Grand Glaize to Meramec River	x x	x -	*Sugar Creek Plant.
27	S. L. M. S. D. La Due	UM 18	- -	M1,136-7E-x -	Deer Creek to River Des Peres	x x	0 -	
28	S. L. M. S. D. La Due Area	UM 18	- -	M1,136-7E-x -	Deer Creek to River Des Peres	x x	0 -	
29	S. L. M. S. D. Lake Sherwood Subd.	UM 18	- -	M1,136-x -	Branch to River Des Peres to Mississippi River	x x	4 -	
30	S. L. M. S. D. Le May	UM 18	- -	M1,136-x -	Branch of Gravois Creek	x x	0 -	

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	COUNTY	1960 Population	Estimated Population Served	TYPE SEWER SYSTEM	AVERAGE DAILY FLOW MGD	Des'd For Average Daily Flow MGD P.E. (1000's)	TREATMENT FACILITIES TREATMENT	LINE NO.
1	2	3	4	5	6	7	8	
S. L. M. S. D. Le May Gardens Subd.	Saint Louis	300 -	300 -	S -	x -	x x	ShClBo -	1
S. L. M. S. D. Linview Drive	Saint Louis	300 -	300 -	S -	x -	- -	None -	2
S. L. M. S. D. Maplewood	Saint Louis	12,552 -	12,550 -	CS -	x -	- -	None -	3
S. L. M. S. D. Marwona Village	Saint Louis	320 -	320 -	S -	x -	- -	None -	4
S. L. M. S. D. Maria Creek*	Saint Louis	3,000 -	3,000 -	CS -	x -	- -	None -	5
S. L. M. S. D. Mehville Area	Saint Louis	2,000 -	1,500 -	x -	x -	x x	Cs -	6
S. L. M. S. D. Melrose	Saint Louis	20 -	6,000 -	SC -	x -	- -	None -	7
S. L. M. S. D. Monterey Meadows*	Saint Louis	240 -	120 -	S -	x -	x x	ShAaAmAeCp -	8
S. L. M. S. D. Monticello	Saint Louis	159 -	160 -	CS -	x -	- -	None -	9
S. L. M. S. D. Normandy	Saint Louis	4,452 -	4,450 -	S -	x -	- -	None -	10
S. L. M. S. D. Northdale*	Saint Louis	150 -	150 -	x -	x -	x x	CsFs -	11
S. L. M. S. D. Northgate Estates*	Saint Louis	180 -	180 -	S -	0.018 -	x x	ShAmrCp -	12
S. L. M. S. D. Northgate Estates*	Saint Louis	- -	500 -	S -	0.050 -	x x	ShAmeCp -	13
S. L. M. S. D. North Ranch Acres	Saint Louis	200 -	200 -	S -	0.014E -	x x	ShAaeCpLp -	14
S. L. M. S. D. Northwoods	Saint Louis	4,701 -	1,500 -	x -	x -	- -	None -	15
S. L. M. S. D. Oakland	Saint Louis	1,552 -	1,000 -	SC -	x -	x x	ScCmAaCmDcBo -	16
S. L. M. S. D. Old Deer Creek S. D.	Saint Louis	- -	6,000 -	S -	x -	- -	None -	17
S. L. M. S. D. Old McKnight S. D.	Saint Louis	- -	1,500 -	SC -	x -	- -	None -	18
S. L. M. S. D. Old S. D. # 1	Saint Louis	- -	600 -	x -	x -	- -	None -	19
S. L. M. S. D. Old S. D. # 3	Saint Louis	- -	1,800 -	S -	x -	- -	None -	20
S. L. M. S. D. Old S. D. # 5	Saint Louis	- -	320 -	S -	x -	- -	None -	21
S. L. M. S. D. Olivette	Saint Louis	8,257 -	8,255 -	x -	x -	- -	None -	22
S. L. M. S. D. Overland	Saint Louis	22,763 -	(22,765) -	x -	x -	- -	See Saint Johns Overland S. D.	23
S. L. M. S. D. Parker Estates Subd.	Saint Louis	40 -	40 -	S -	x -	x x	ShAaAeCpFs -	24
S. L. M. S. D. Pasadena Hills	Saint Louis	1,315 -	1,300 -	C -	x -	- -	None -	25
S. L. M. S. D. Pasadena Park	Saint Louis	680 -	680 -	S -	x -	- -	None -	26
S. L. M. S. D. Pine Lawn	Saint Louis	5,943 -	5,900 -	SC -	x -	- -	None -	27
S. L. M. S. D. Point Breeze Subd.	Saint Louis	150 -	150 -	S -	x -	x x	Cs -	28
S. L. M. S. D. Richmond Heights	Saint Louis	13,622 -	14,800 -	CS -	x -	- -	None -	29
S. L. M. S. D. Rose Gardens Subd.	Saint Louis	400 -	400 -	S -	x -	x x	ScCmAaCmDcX -	30

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LINE NO.	COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION 9	DRAINAGE BASIN Maj. Min. 10	Sub. 10a	WATER-COURSE MILEAGE 11	DISCHARGE TO 12	P.E. (BOD) UN-TREATED WASTE / DIS-CHARGED WASTE 13	Pollution Abatement Needs 14	REMARKS 15
1	S. L. M. S. D. Le Mev Gardens Subd.	UM 18	- -	M1,136-1-3 -	Gravois Creek	x x	4 -	
2	S. L. M. S. D. Linview Drive	UM 18	- -	M1,156-1-7E -	Branch of Gravois Creek	x x	0 -	
3	S. L. M. S. D. Maplewood	UM 18	- -	M1,136-7E -	Deer Creek to River Des Peres to Mississippi R.	x x	0 -	
4	S. L. M. S. D. Marwona Village	UM 18	- -	M1,151.5 -	Mississippi River	x x	0 -	
5	S. L. M. S. D. Maria Creek*	UM 18	- -	x -	Mississippi River	x x	0 -	*Old District.
6	S. L. M. S. D. Mehville Area	UM 18	- -	M1,136 -	Gravois Creek	x x	4 -	
7	S. L. M. S. D. Melrose	UM 18	- -	M1,151.5 -	Mississippi River	x x	0 -	
8	S. L. M. S. D. Monterey Meadows*	UM 18	- -	M1,136-x -	Gravois Creek	x x	4 -	*Subdivision.
9	S. L. M. S. D. Monticello	UM 18	- -	x -	x -	x x	0 -	
10	S. L. M. S. D. Normandy	UM 18	- -	M1,151.5 -	Mississippi River	x x	0 -	
11	S. L. M. S. D. Northdale*	UM 12	- -	x -	Sink hole to Mississippi River	x x	4 -	*Unincorporated Area.
12	S. L. M. S. D. Northwate Estates*	UM 18	- -	M1,176E-5E -	Watkins Creek to Mississippi River	x x	x -	*East Subdivision.
13	S. L. M. S. D. Northwate Estates*	UM 18	- -	M1,176E-5E -	Watkins Creek	x x	x -	*West Subdivision.
14	S. L. M. S. D. North Ranch Acres	UM 18	- -	M1,176E-7E -0.2E	Watkins Creek to Mississippi River	x x	x -	
15	S. L. M. S. D. Northwoods	UM 18	- -	M1,150-x -	Baden Creek to Mississippi River	x x	0 -	
16	S. L. M. S. D. Oakland	UM 18	- -	M1,136-x -	Gravois Creek	x x	4 -	
17	S. L. M. S. D. Old Deer Creek S. D.	UM 18	- -	M1,136-7E-x -	Deer Creek to River Des Peres	x x	0 -	
18	S. L. M. S. D. Old McKnight S. D.	UM 18	- -	M1,136-x -	Deer Creek to River Des Peres to Mississippi R.	x x	0 -	
19	S. L. M. S. D. Old S. D. # 1	UM 18	- -	x -	Mississippi River	x x	x -	
20	S. L. M. S. D. Old S. D. # 3	UM 18	- -	x -	Mississippi River	x x	x -	
21	S. L. M. S. D. Old S. D. # 5	UM 18	- -	x -	Mississippi River	x x	x -	
22	S. L. M. S. D. Olivette	UM 18	- -	x -	University City Branch and Deer Creek	x x	0 -	
23	S. L. M. S. D. Overland	MR 12	- -	- -	Coldwater Creek	- -	- -	
24	S. L. M.S. D. Parker Estates Subd.	MR 12	- -	MR7-x -	Creek to Coldwater Creek	x x	4 -	
25	S. L. M. S. D. Pasadena Hills	UM 18	- -	M1,150-x -	Baden Creek to Mississippi River	x x	0 -	
26	S. L. M. S. D. Pasadena Park	UM 18	- -	M1,150-x -	Baden Creek to Mississippi River	x x	0 -	
27	S. L. M. S. D. Pine Lawn	UM 18	- -	M1,149-x -	Harlen Creek to Mississippi River	x x	0 -	
28	S. L. M. S. D. Point Breeze Subd.	UM 18	- -	M1,136-x -	Branch of Gravois Creek	x x	4 -	
29	S. L. M. S. D. Richmond Heights	UM 18	- -	x -	Mississippi River	x x	x -	
30	S. L. M. S. D. Rose Gardens Subd.	UM 18	- -	M1,136-1-5E -	Sink hole to Gravois Creek	x x	4 -	

INVENTORY OF MUNICIPAL WASTE FACILITIES

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION 1	COUNTY 2	1960 Population 3	Estimated Population Served 4	TYPE SEWER SYSTEM 5	AVERAGE DAILY FLOW MGD 6	Des'd For Average Daily Flow MGD / P.E. (1000's) 7	TREATMENT FACILITIES TREATMENT 8	LINE NO.
S. L. M. S. D. * Saint Ann	Saint Louis	10,240 -	10,240 -	S -	x -	x x	ScCmAmCmDcBo -	1
S. L. M. S. D. Saint Ann Hills	Saint Louis	1,915 -	(1,915) -	S -	x -	- -	See Saint Ann -	2
S. L. M. S. D. Saint George	Saint Louis	1,383 -	(1,200) -	S -	x -	- -	See S. L. M. S. D. Affton Area	3
S. L. M. S. D. Saint John	Saint Louis	7,342 -	(7,340) -	x -	x -	- -	See Saint John's Overland S. D.	4
S. L. M. S. D. * Saint John's*	Saint Louis	- -	27,200 -	S -	x -	x x	ScCmAmCmDcimprstBo -	5
S. L. M. S. D. Schuerman Heights	Saint Louis	288 -	290 -	x -	x -	- -	None -	6
S. L. M. S. D. South Lackland S. D.	Saint Louis	- -	(2,500) -	S -	x -	- -	See Saint John's Overland S. D.	7
S. L. M. S. D. S. W. Webster Groves	Saint Louis	2,500 -	2,500 -	S -	x -	x x	ShCmAmCmDcrBo -	8
S. L. M. S. D. Spanish Lake	Saint Louis	2,500 -	700 -	S -	x -	- -	None -	9
S. L. M. S. D. Staley Avenue Subd.	Saint Louis	100 -	100 -	x -	x -	x x	CaFs -	10
S. L. M. S. D. Surfside Subdivision	Saint Louis	150 -	150 -	S -	0.015 -	x x	ShAmeCp -	11
S. L. M. S. D. Two Mile S. D.	Saint Louis	- -	2,000 -	S -	x -	- -	None -	12
S. L. M. S. D. University City	Saint Louis	51,249 -	51,250 -	CS -	x -	- -	None -	13
S. L. M. S. D. Velda Village Hills	Saint Louis	1,365 -	1,365 -	x -	x -	- -	None -	14
S. L. M. S. D. Victoria Park Subd.	Saint Louis	300 -	300 -	S -	x -	x x	CaFs -	15
S. L. M. S. D. Vinita Park	Saint Louis	2,204 -	2,200 -	S -	x -	- -	None -	16
S. L. M. S. D. Vinita Terrace	Saint Louis	382 -	380 -	S -	x -	- -	None -	17
S. L. M. S. D. Walton Road Area	Saint Louis	6,000 -	6,000 -	S -	x -	- -	None -	18
S. L. M. S. D. Webster Groves	Saint Louis	28,990 -	26,000 -	C -	x -	- -	None -	19
S. L. M. S. D. Wellston	Saint Louis	7,979 -	7,000 -	S -	x -	- -	None -	20
S. L. M. S. D. Wickham Park Subd.	Saint Louis	100 -	100 -	x -	x -	x 0.100	CaFs -	21
S. L. M. S. D. Wilbur Park	Saint Louis	684 -	600 -	S -	x -	x x	CaFs -	22
S. L. M. S. D. * Woodson Terrace	Saint Louis	6,048 -	6,000 -	S -	x -	x x	ShCmAmCmDpBo -	23
S. L. C. S. D. Apple Hill Subd.	Saint Louis	50 -	50 -	S -	x -	x x	Lo -	24
S. L. C. S. D. Assumption Subd.	Saint Louis	110 -	110 -	S -	x -	x x	ShAmeCp (not operating)	25
S. L. C. S. D. Ballwin	Saint Louis	5,710 -	2,655 -	S -	x -	x x	None (plant under construction)	26
S. L. C. S. D. Barrington Estates	Saint Louis	500 -	500 -	S -	x -	x x	ShAmeCp -	27
S. L. C. S. D. Bonfils Sewer Co.	Saint Louis	6,400 -	4,400 -	S -	x -	x x	ShScCmFthCm -	28
S. L. C. S. D. Chester Lane Subd.	Saint Louis	65 -	65 -	S -	x -	x x	Lo -	29
S. L. C. S. D. Colony Woods	Saint Louis	35 -	35 -	S -	x -	x x	ShAmeCp -	30

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LINE NO.	COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION 9	DRAINAGE BASIN Maj. Min. 10	DRAINAGE BASIN Sub 10a	WATER-COURSE MILEAGE 11	DISCHARGE TO 12	P.E. (BOD) UN-TREATED WASTE / DIS-CHARGED WASTE 13	Pollution Abatement Needs 14	REMARKS 15
1	S. L. M. S. D. * Saint Ann	MR 12	- -	x -	Coldwater Creek	x x	4 -	
2	S. L. M. S. D. Saint Ann Hills	MR 12	- -	- -	Coldwater Creek	- -	- -	
3	S. L. M. S. D. Saint George	UM 18	- -	- -	Branch of Gravois Creek	- -	4 -	
4	S. L. M. S. D. Saint John	MR 12	- -	- -	Coldwater Creek	- -	- -	
5	S. L. M. S. D. * Saint John's*	MR 12	- -	MR7-18 -	Coldwater Creek	x x	4 -	Overland S. D.
6	S. L. M. S. D. Schuerman Heights	MR 12	- -	MR7-19 -	Coldwater Creek	x x	0 -	
7	S. L. M. S. D. South Lackland S. D.	MR 12	- -	- -	Coldwater Creek	- -	- -	
8	S. L. M. S. D. S. W. Webster Groves	UM 18	- -	M1,136-x -	River Des Peres to Mississippi River	x x	4 -	
9	S. L. M. S. D. Spanish Lake	MR 12	- -	MR7-x -	Coldwater Creek	x x	0 -	
10	S. L. M. S. D. Staley Avenue Subd.	UM 18	- -	M1,136 -	Branch of River Des Peres to Mississippi River	x x	4 -	
11	S. L. M. S. D. Surfside Subdivision	UM 18	- -	M1,176-4L -	Watkins Creek to Mississippi River	x x	x -	
12	S. L. M. S. D. Two Mile S. D.	UM 18	- -	M1,136-7E-x -	Deer Creek to River Des Peres to Mississippi R.	x x	0 -	
13	S. L. M. S. D. University City	UM 18	- -	x -	Mississippi River	x x	0 -	
14	S. L. M. S. D. Velda Village Hills	UM 18	- -	M1,149-x -	Harlem Creek to Mississippi River	x x	0 -	
15	S. L. M. S. D. Victoria Park Subd.	UM 18	- -	M1,136-x -	Creek to River Des Peres to Mississippi River	x x	4 -	
16	S. L. M. S. D. Vinita Park	UM 18	- -	M1,136-17E -x	University City Branch of River Des Peres*	x x	0 -	*to Mississippi River.
17	S. L. M. S. D. Vinita Terrace	UM 18	- -	M1,136-17E -x	University City Branch of River Des Peres*	x x	0 -	*to Mississippi River.
18	S. L. M. S. D. Walton Road Area	UM 18	- -	M1,151.5 -	Mississippi River	x x	0 -	
19	S. L. M. S. D. Webster Groves	UM 18	- -	M1,136-7E -1E	Deer Creek to River Des Peres to Mississippi R.	26,000E 26,000E	0 -	
20	S. L. M. S. D. Wellston	UM 18	- -	M1,136-45E -x	University City Branch of River Des Peres*	x x	0 -	*to Mississippi River.
21	S. L. M. S. D. Wickham Park Subd.	UM 12	- -	M7-11-2 -	East Branch of Coldwater Creek	100 10	5 -	
22	S. L. M. S. D. Wilbur Park	UM 18	- -	M1,136-2E-x -	Branch of Gravois Creek	x x	4 -	
23	S. L. M. S. D. * Woodson Terrace	MR 12	- -	MR7-19 -	ColdwaterCreek to Missouri River	x x	x -	
24	S. L. C. S. D. Apple Hill Subd.	MR 12	- -	M1,125-20E -	Sugar Creek, Grand Glaize to Meramec River	x x	x -	
25	S. L. C. S. D. Assumption Subd.	UM 19	- -	M1,125-4E-x -	Mattese Creek Watershed to Meramec River	x x	4 -	
26	S. L. C. S. D. Ballwin	UM 19	- -	M1,125-x -	Fish Pot Creek to Meramec River	x x	x -	
27	S. L. C. S. D. Barrington Estates	UM 19	- -	M1,125-x -	Creek to Gravois Creek to Meramec River	x x	x -	
28	S. L. C. S. D. Ronfils Sewer Co.	MR 12	- -	MR-x -	Cow Mire Creek to Missouri River	x x	x -	
29	S. L. C. S. D. Chester Lane Subd.	MR 12	- -	MR35E-x -	Creek to Fee Fee Creek to Creve Couer Lake to*	x x	x -	*Missouri River.
30	S. L. C. S. D. Colony Woods	MR 19	- -	M1,125-x -	Creek to Grand Glaize to Meramec River	x x	x -	

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	COUNTY	1960 Population	Estimated Population Served	TYPE SEWER SYSTEM	AVERAGE DAILY FLOW MGD	Des'd For Average Daily Flow MGD P.E. (1000's)	TREATMENT FACILITIES TREATMENT	LINE NO.
1	2	3	4	5	6	7	8	
S. L. C. S. D. Dover Crest Subd.	Saint Louis	150 -	150 -	S -	x -	x x	ShAmeCp -	1
S. L. C. S. D. Ellisville	Saint Louis	2,732 -	1,000 -	S -	- -	x x	Lo (2) -	2
S. L. C. S. D. Eureka	Saint Louis	1,134 -	250 -	S -	x -	x x	Lo -	3
S. L. C. S. D. Fawn Ridge Subd.	Saint Louis	100 -	100 -	S -	x -	0.017E 0.165E	ShAmeCpFs -	4
S. L. C. S. D. Fee Fee # 1	Saint Louis	2,000 -	2,000 -	S -	x -	x x	ShAmeLo -	5
S. L. C. S. D. Fee Fee # 2	Saint Louis	450 -	320 -	S -	x -	x x	ShAmAsCp -	6
S. L. C. S. D. Fee Fee # 3	Saint Louis	1,000 -	800 -	S -	x -	x x	ShAmAsCp -	7
S. L. C. S. D. Fee Fee # 4	Saint Louis	2,000 -	2,000 -	S -	x -	x x	ShAmeCm -	8
S. L. C. S. D. Fee Fee # 5	Saint Louis	2,700 -	2,600 -	S -	x -	x x	ShLo* (5.3 acres)	9
S. L. C. S. D. Fee Fee # 6	Saint Louis	500 -	500 -	x -	x -	x x	Lo -	10
S. L. C. S. D. Fee Fee # 7	Saint Louis	100 -	100 -	S -	x -	x x	Lo -	11
S. L. C. S. D. Fee Fee # 8	Saint Louis	2,650 -	2,650 -	S -	x -	x x	Lo -	12
S. L. C. S. D. Fee Fee # 9	Saint Louis	200 -	200 -	S -	x -	x x	Lo -	13
S. L. C. S. D. Fee Fee # 11	Saint Louis	150 -	150 -	S -	x -	x x	Lo -	14
S. L. C. S. D. Fee Fee # 12	Saint Louis	75 -	75 -	S -	x -	x x	Lo -	15
S. L. C. S. D. Fee Fee # 14	Saint Louis	50 -	50 -	S -	x -	x x	Lo -	16
S. L. C. S. D. Fenton	Saint Louis	207 -	300 -	S -	x -	x x	ShClFt (liquid sludge disposal)	17
S. L. C. S. D. Manchester	Saint Louis	2,021 -	1,000 -	S -	x -	x x	Lo (temporary)	18
S. L. C. S. D. Manchester	Saint Louis	- -	1,900 -	S -	x -	0.450 4.500	SgCmFtrCmVv (under construction)	19
S. L. C. S. D. Mattese Meadows	Saint Louis	15 -	15 -	S -	x -	x x	CmFs -	20
S. L. C. S. D. Meramec Hills Subd.	Saint Louis	45 -	45 -	S -	x -	x x	CmFs -	21
S. L. C. S. D. Missouri Bottoms*	Saint Louis	1,300 -	1,300 -	S -	x -	x x	Lo -	22
S. L. C. S. D. Montiro Subd.	Saint Louis	40 -	40 -	S -	x -	x x	ShAmeCp -	23
S. L. C. S. D. Pierrmont Subd.	Saint Louis	500 -	500 -	S -	x -	x x	Lo -	24
S. L. C. S. D. Ridge Creek Subd.	Saint Louis	40 -	40 -	S -	x -	x x	ShAmeCp -	25
S. L. C. S. D. Riverside Subd.	Saint Louis	200 -	200 -	S -	x -	x x	Lo -	26
S. L. C. S. D. Saddlespur Subd.	Saint Louis	200 -	200 -	S -	x -	x x	ShAmeCp -	27
S. L. C. S. D. Saint Catherine*	Saint Louis	30 -	30 -	S -	0.003 -	x x	CmFs -	28
S. L. C. S. D. Spanish Lake Area	Saint Louis	6,700 -	5,200 -	S -	x -	x x	CmFs -	29
S. L. C. S. D. Sunset Estates Subd.	Saint Louis	100 -	100 -	S -	x -	x x	ShAmeCp* -	30

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LINE NO	COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	DRAINAGE BASIN Maj Min	DRAINAGE BASIN Sub	WATER-COURSE MILEAGE	DISCHARGE TO	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE	Pollution Abatement Needs	REMARKS
	9	10	10a	11	12	13	14	15
1	S. L. C. S. D. Dover Crest Subd.	UM 19	- -	M1,125-4E-x -	Mattese Creek to Meramec River	x x	x -	
2	S. L. C. S. D. Ellisville	UM 19	- -	M1,125-20E -15E	Fish Pot Creek to Meramec River	x x	x -	
3	S. L. C. S. D. Eureka	UM 19	- -	M1,125-35E -x	Creek to Meramec River	x x	x -	
4	S. L. C. S. D. Fawn Ridge Subd.	UM 18	- -	M1,125-x -	Meramec Drainage Area	x x	x -	
5	S. L. C. S. D. Fee Fee # 1	MR 12	- -	MR35E-x -	Fee Fee Creek to Missouri River	x x	x -	
6	S. L. C. S. D. Fee Fee # 2	MR 12	- -	x -	Fee Fee Creek missouri River	x x	x -	
7	S. L. C. S. D. Fee Fee # 3	MR 12	- -	MR35E-x -	Fee Fee Creek to Missouri River	x x	x -	
8	S. L. C. S. D. Fee Fee # 4	MR 12	- -	MR35E-x -	Fee Fee Creek to Missouri River	x x	x -	
9	S. L. C. S. D. Fee Fee # 5	MR 12	- -	MR35E-x -	Fee Fee Creek to Missouri River	x x	x -	*Mechanical aerators.
10	S. L. C. S. D. Fee Fee # 6	MR 12	- -	x -	Creek to Fee Fee Creek to River Creve Couer to*	x x	x -	*Missouri River.
11	S. L. C. S. D. Fee Fee # 7	MR 12	- -	MR35E-x -	Creek to Fee Fee Creek to Creve Couer Lake	x x	x -	
12	S. L. C. S. D. Fee Fee # 8	MR 12	- -	MR35E-x -	Creek to Fee Fee Creek to Creve Couer Lake to*	x x	x -	*Missouri River.
13	S. L. C. S. D. Fee Fee # 9	MR 12	- -	MR35E-x -	Creek to Fee Fee Creek to Creve Couer Lake to*	x x	x -	*Missouri River.
14	S. L. C. S. D. Fee Fee # 11	MR 12	- -	MR35E-x -	Creek to Fee Fee Creek to Creve Couer Lake to*	x x	x -	*Missouri River.
15	S. L. C. S. D. Fee Fee # 12	MR 12	- -	MR35E-x -	Creek to Fee Fee Creek to Creve Couer Lake to*	x x	x -	*Missouri River.
16	S. L. C. S. D. Fee Fee # 14	MR 12	- -	MR35E-x -	Creek to Fee Fee Creek to Creve Coeur Lake to*	x x	x -	*Missouri River.
17	S. L. C. S. D. Fenton	UM 18	- -	M1,125-15E -x	Creek to Meramec River	x x	x -	
18	S. L. C. S. D. Manchester	UM 19	- -	M1,125-20E -	Grand Glaize Creek to Meramec River	x x	4 -	
19	S. L. C. S. D. Manchester	UM 19	- -	M20-5 -	Grand Glaize -	1,900E 200E	7 -	
20	S. L. C. S. D. Mattese Meadows	UM 19	- -	M1,125-4E-x -	Mattese Creek to Meramec River	x x	x -	
21	S. L. C. S. D. Meramec Hills Subd.	UM 19	- -	M1,125-x -	Creek to Meramec River	x x	x -	
22	S. L. C. S. D. Missouri Bottoms*	MR 12	- -	MR35E-x -	Duck Pond Creek to Missouri River	x x	x -	*Sewer Company.
23	S. L. C. S. D. Montiro Subd.	UM 19	- -	M1,125-4E-x -	Mattese Creek Watershed to Meramec River	x x	x -	
24	S. L. C. S. D. Pierrmont Subd.	UM 19	- -	M1,125-x -	Grand Glaize Creek to Meramec River	x x	x -	
25	S. L. C. S. D. Ridge Creek Subd.	MR 12	- -	MR35E-x -	Creek to Fee Fee Creek to Creve Couer Lake to*	x x	x -	*Missouri River.
26	S. L. C. S. D. Riverside Subd.	UM 19	- -	M1,125E -	Creek to Meramec River	x x	x -	
27	S. L. C. S. D. Saddlespur Subd.	UM 19	- -	M1,125-x -	Creek to Grand Glaize to Meramec River	x x	x -	
28	S. L. C. S. D. Saint Catherine*	UM 18	- -	M1,125-4E-x -	Mattese Creek to Meramec River	x x	x -	*Laboure Community System.
29	S. L. C. S. D. Spanish Lake Area	MR 12	- -	MR2E -	Sink hole to Missouri River	x x	x -	
30	S. L. C. S. D. Sunset Estates Subd.	UM 19	- -	M1,125-4E-x -	Mattese Creek Watershed to Meramec River	x x	4 -	*Power disconnected; operating as open septic tank.

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION 1	COUNTY 2	1960 Population 3	Estimated Population Served 4	TYPE SEWER SYSTEM 5	AVERAGE DAILY FLOW MGD 6	Des'd For Average Daily Flow MGD / P.E. (1000's) 7	TREATMENT FACILITIES TREATMENT 8	LINE NO.
S. L. C. S. D. Tel-Haven Subd.	Saint Louis	100 -	100 -	S -	x -	x x	CaFs -	1
S. L. C. S. D. Town and Country	Saint Louis	1,440 -	200 -	S -	x -	- -	None -	2
S. L. C. S. D. Upper Mattese*	Saint Louis	200 -	200 -	S -	x -	x x	x (under construction)	3
S. L. C. S. D. Valley Park	Saint Louis	3,452 -	2,600 -	S -	x -	- -	None -	4
S. L. C. S. D. Williamsburg	Saint Louis	80 -	80 -	S -	x -	x x	Lo -	5
ALGOA Reformatory	Cole	540 -	540 -	S -	0.068 -	- -	None -	6
BOONVILLE State Boys Home	Cooper	470 -	470 -	S -	x -	- -	None -	7
CAIRO Cairo School	Randolph	200 -	200 -	S -	0.004 -	0.004 0.200	CaFs -	8
CONCORD LANES Bowling Alley	Saint Louis	x -	x -	S -	x -	x x	ShAmeCp -	9
FARMINGTON State Hospital # 4	Saint Francois	1,700 -	2,000 -	S -	0.250 -	0.288 2.000	ShO CmFtrCmDepBo -	10
HIGBEE R VIII School	Randolph	260 -	260 -	S -	0.005 -	0.005 0.260	CaFs -	11
HIGGINSVILLE State School	Lafayette	400 -	400 -	S -	0.040 -	0.040 0.400	Lo (no discharge)	12
JACKSON County Farm	Jackson	1,200 -	1,200 -	S -	0.070 -	0.200 2.000	ShCpAmCmDpBo -	13
JEFFERSON CITY City Aux. Prison	Cole	200 -	200 -	S -	x -	0.100 1.000	ShClFtrBo -	14
LAMBERT FIELD Airport	Saint Louis	x -	x -	S -	x -	x x	ShCl (liquid sludge hauled)	15
MC CUNE HOME	Jackson	100 -	100 -	S -	x -	0.010 0.100	CaFs -	16
MANCHESTER Shopping Center	Saint Louis	x -	x -	x -	x -	x x	Lo -	17
MARSHALL State School	Saline	x -	x -	S -	x -	0.250 2.500	ShSeClFtrCmBo -	18
MOBERLY Medium Security Prison	Randolph	800 -	800 -	S -	x -	0.240 2.400	Lo (under construction)	19
NEVADA State Hospital # 3	Vernon	2,700 -	2,700 -	S -	0.500 -	0.500 3.000	ShClFtrCmBo -	20
NEW CAMBRIA School	Macon	250 -	250 -	S -	0.005 -	0.005 0.250	CaFs -	21
NEW LONDON Elementary School	Ralls	250 -	250 -	S -	0.004 -	0.004 0.350	CaFs -	22
PERRYVILLE St. Mary's Seminary	Perry	x -	250 -	S -	x -	0.035 0.350	Lo -	23
STATE PRISON FARM #1	Cole	x -	x -	S -	x -	x x	ShClFtr -	24
STATE PRISON FARM #2	Calloway	210 -	210 -	x -	x -	x x	Lo -	25
TIPTON Womens State Prison	Moniteau	x -	x -	S -	x -	0.017 0.167	Lo -	26
UNITY FARM	Jackson	120 -	120 -	x -	x -	x x	CmD -	27
								28
								29
								30

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LINE NO.	COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	DRAINAGE BASIN Maj. Min.	DRAINAGE BASIN Sub.	WATER-COURSE MILEAGE	DISCHARGE TO	P.E. (BOD) UN-TREATED WASTE DIS-CHARGED WASTE	Pollution Abatement Needs	REMARKS
	9	10	10a	11	12	13	14	15
1	S. L. C. S. D. Tel-Haven Subd.	[illegible] 19	- -	M1,125-4E-x -	Mattese Creek to Meramec River	x x	x -	
2	S. L. C. S. D. Town and Country	UM 19	- -	M1,125-20E -10E	Grand Glaize Watershed to Meramec River	x x	0 -	
3	S. L. C. S. D. Upper Mattese*	UM 19	- -	M1,125-4E-x -	Mattese Creek Watershed to Meramec River	x x	0 -	*Community System.
4	S. L. C. S. D. Valley Park	UM 19	- -	M1,125-20E -x	Branch of Meramec River	2,600E 2,600E	0 -	
5	S. L. C. S. D. Williamsburg	MR 12	- -	MR35E-x -	Creek to Fee Fee Creek to Creve Coeur Lake to*	x x	x -	*Missouri River.
6	ALGOA Reformatory	MR 12	- -	M135-8 -	Missouri River	540 540	0 -	
7	BOONVILLE State Boys Home	MR 12	- -	M195 -	Missouri River	470 470	0 -	
8	CAIRO Cairo School	UM 12	- -	UM1,249- 100E	Branch of Mud Creek	200 20	7 -	
9	CONCORD LANES Bowling Alley	UM 19	- -	M1,125-4E -	Mattese Creek Watershed to Meramec River	x x	x -	
10	FARMINGTON State Hospital # 4	SM 6	- -	SM670-250E -x-x	St. Francis River	2,000E 200E	7 -	
11	HIGBEE R VIII School	MR 12	- -	MR195E-x-x -	Branch of Moniteau Creek	260 30	7 -	
12	HIGGINSVILLE State School	MR 12	- -	M310.8-8-5 -	Branch of Tebo Creek	400 0	7 -	
13	JACKSON County Farm	MR 12	- -	x -	Dry ravine	1,200 240	7 -	
14	JEFFERSON CITY City Aux. Prison	MR 12	- -	x -	Missouri River	x -	7 -	
15	LAMBERT FIELD Airport	MR 12	- -	MR7-17E -	Coldwater Creek	x x	4 -	
16	MC CUNE HOME	MR 12	- -	M345.7-11.6 -1	Creek to Little Blue River	100 20	7 -	
17	MANCHESTER Shopping Center	UM 19	- -	M1,125-x -	Grand Glaize to Meramec River	x x	x -	
18	MARSHALL State School	MR 12	- -	M202.2-9.3 -12-14	Branch of Salt Fork Creek	x x	7 -	
19	MOBERLY Medium Security Prison	UM 12	- -	S76-10-51 -	Coon Creek	x x	7 -	
20	NEVADA State Hospital # 3	MR 14	- -	0273.5-15 -3.2	Branch of Marmaton Creek	2,700 400	7 -	
21	NEW CAMBRIA School	MR 12	- -	C60-5 -	Puzzle Creek	250 25	7 -	
22	NEW LONDON Elementary School	UM 12	- -	x -	Branch of Salt River	250 25	7 -	
23	PERRYVILLE St. Mary's Seminary	UM 22	- -	x -	x -	x x	7 -	
24	STATE PRISON FARM #1	MR 12	- -	M151-1 -	Branch of Missouri River	x x	x -	
25	STATE PRISON FARM #2	MR 12	- -	M145 -	Missouri River	210E 20E	7 -	
26	TIPTON Womens State Prison	MR 12	- -	M157.5-39 -	Branch of Moniteau Creek	x x	x -	
27	UNITY FARM	MR 12	- -	M345.7-34- -	Little Cedar Creek	120 30	2 -	
28								
29								
30								

INVENTORY OF MUNICIPAL WASTE FACILITIES

STATE	YEAR	PAGE
MISSOURI	1962	16a of 16

MISSOURI

Community or facility providing sewer service	Communities and/or facilities served
INDEPENDENCE, WEST SIDE	Sugar Creek
KANSAS CITY	Santa Fe Hills
ST. LOUIS	Rock Hill Village Shrewsbury
S L M S D AFTON AREA	S L M S D ST. George
S L M S D ST. ANN	S L M S D St. Ann Hills
S L M S D ST. JOHNS-OVERLAND S.D.	S L M S D St. John S L M S D S. Lakeland S.D.
S L M S D-WOODSON TERRACE	S L M S D Buder Park

NEBRASKA

The data for this State have been collected with the helpful cooperation of the:

Nebraska Department of Health
Environmental Health Services

INVENTORY OF MUNICIPAL WASTE FACILITIES

STATE	YEAR	
NEBRASKA	1962	PAGE 1 of 11

COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	COUNTY	1960 Population	Estimated Population Served	TYPE SEWER SYSTEM	AVERAGE DAILY FLOW MGD	Des'd For Average Daily Flow MGD P.E. (1000's)	TREATMENT FACILITIES TREATMENT	LINE NO.
1	2	3	4	5	6	7	8	
ADAMS	Gage	387 -	350 -	S -	x -	x 0.600	SeCp(AmCp)DcpBo -	1
AINSWORTH	Brown	1,982 -	1,100 -	S -	x -	0.130 1.600	ShCmXmCmDmrBo -	2
ALBION	Boone	1,982 -	1,700 -	S -	x -	- -	None -	3
ALLIANCE	Box Butte	7,845 -	7,500 -	S -	x -	x x	Cs -	4
ALMA	Harlan	1,342 -	1,300 -	S -	x -	x x	C FtC FgD Bo -	5
ANSLEY	Custer	714 -	700 -	S -	x -	x 0.700	SeAeCm -	6
ARAPAHOE	Furnas	1,084 -	1,000 -	S -	x -	x 1.325	ShClmBoXpd -	7
ARLINGTON	Washington	740 -	700 -	S -	x -	0.030 0.700	CpFt-CpDcmBo -	8
ARTHUR (V)	Cass	325 -	380 -	x -	x -	0.040 0.400	Lo -	9
ARNOLD	Custer	844 -	840 -	S -	x -	0.030 0.900	Sc(AmCp)DcpBo -	10
ASHLAND	Saunders	1,989 -	1,200 -	S -	x -	- -	None -	11
ASHTON	Sherman	320 -	320 -	S -	0.030 -	x 0.400	ShClLo -	12
ATKINSON	Holt	1,324 -	1,200 -	S -	x -	- -	None -	13
AUBURN	Nemaha	3,229 -	2,800 -	S -	x -	- -	None -	14
AURORA	Hamilton	2,576 -	2,000 -	S -	x -	x 3.400	Lo -	15
AXTELL	Kearney	477 -	470 -	S -	x -	x x	ClFtX -	16
BASSETT	Rock	1,023 -	800 -	S -	x -	x 0.635	CpXmCmDmrBoLo -	17
BATTLE CREEK	Madison	587 -	580 -	S -	x -	x x	CiBo -	18
BAYARD	Morrill	1,519 -	1,500 -	C -	x -	- -	None -	--
BEATRICE	Gage	12,132 -	12,000 -	S -	x -	x 16.200	ShScGamwCmFthCmVvXp -	20
BEAVER CITY	Furnas	816 -	800 -	S -	x -	x 1.000	Lo -	21
BEAVER CROSSING	Seward	439 -	300 -	S -	x -	x x	ScK CmDfrBo (plant not in operation)	22
BEEMER	Cuming	667 -	600 -	S -	x -	- -	None -	23
BELDEN	Cedar	157 -	150 -	S -	x -	0.030 0.300	ShClFtmBo -	24
BELLEVUE	Gage	8,831 -	8,000 -	S -	x -	x x	ShScGmCmDrtBoXdp -	25
BENKELMAN	Dundy	1,400 -	1,400 -	S -	x -	x x	Cs (Not being used)	26
BENNET	Lancaster	381 -	370 -	S -	x -	x 0.400	SoAeCm -	27
BENNINGTON	Douglas	341 -	330 -	S -	x -	x x	ShClFtCpBoXp -	28
BERTRAND	Phelps	691 -	400 -	S -	x -	x 1.000	Lo -	29
BIG SPRINGS	Deuel	506 -	500 -	S -	x -	x x	ScGhCmDpBeXp -	30

INVENTORY OF MUNICIPAL WASTE FACILITIES

STATE	YEAR	PAGE
NEBRASKA	1968	1 of 11

LINE NO.	COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION (9)	DRAINAGE BASIN Maj. Min. (10)	DRAINAGE BASIN Sub. (10a)	WATER-COURSE MILEAGE (11)	DISCHARGE TO (12)	P.E. (BOD) UN-TREATED WASTE (13)	P.E. (BOD) DIS-CHARGED WASTE (13)	Pollution Abatement Needs (14)	REMARKS (15)
1	ADAMS	MR 12	- -	M511.2-40.5 -80	North Fork of Big Nemaha River	350	90E	7 -	
2	AINSWORTH	MR 5	- -	M96-13-19 -	Bone Creek	x	x	7 -	
3	ALBION	MR 8	- -	P103-25-43 -	Beaver Creek	1,950	1,950E	0 -	
4	ALLIANCE	MR 9	- -	- -	Lake (No outlet)	9,500E	0	7 -	
5	ALMA	MR 11	- -	K169.2-247 -	Republican River	4,370	1,000	7 -	
6	ANSLEY	MR 8	- -	* -	Muddy Creek	700E	x	7 -	*MR611.6-103.0-25.2-50E -
7	ARAPAHOE	MR 11	- -	K169.2- 292.6-0.6	Muddy Creek to Republican River	1,000	x	7 -	
8	ARLINGTON	MR 8	- -	P33.4-27.7 -	Elkhorn River	700	270E	1 -	
9	ARTHUR (V)	UN 1	- -	x -	Dry run	300	55	x -	
10	ARNOLD	MR 8	- -	P103-67.5- 25.2-122.3	South Loup River	640	180E	1 -	
11	ASHLAND	MR 8	- -	P26.4-3.8 -	Salt Creek	1,200	1,200	0 -	
12	ASHTON	MR 8	- -	* -	Lagoon	320	0	7 -	*MR611.6-103.0-67.5-x-x
13	ATKINSON	MR 8	- -	P33.4-258 -	Elkhorn River	1,200E	1,200	0 -	
14	AUBURN	MR 12	- -	M544.6-13-1 -	Long Creek to Little Nemaha River	2,900E	2,900	0 -	
15	AURORA	MR 11	- -	K142.5- 225.5-73	Lincoln Creek	2,000	0	7 -	
16	AXTELL	MR 8	- -	MR611.6- 235E	Dry run	470	120	5 -	
17	BASSETT	MR 8	- -	MR611.6- 33.4-335	Lagoon	[illegible]	x	[illegible] -	
18	BATTLE CREEK	MR 8	- -	MR611.6- 33.4-120E	Battle Creek	580	290	7 -	
19	BAYARD	MR 9	- -	NP149.5-5 -	Baynard Canal to North Platte River	1,500	1,500	0 -	
20	BEATRICE	MR 11	- -	K142.5-130 -	Big Blue River	17,000	4,000	7 -	
21	BEAVER CITY	MR 11	- -	K169.2- 258-18.8	Beaver Creek	800	0	7 -	
22	BEAVER CROSSING	MR 11	- -	K142.5- 192.1-29	West Fork of Big Blue River	300	300	7 -	
23	BEEMER	MR 8	- -	P33.4-89 -	Elkhorn River	600	600	0 -	
24	BELDEN	MR 8	- -	P33.4-43.8 -80-10	Creek to Logan Creek	150	40	5 -	
25	BELLEVUE	MR 12	- -	M618.1 -	Missouri River	x	x	7 -	
26	BENKELMAN	MR 11	- -	K169.2- 393.6	Republican River	1,400	1,400	4 -	
27	BENNET	MR 12	- -	MR544.6-55E -	Little Nemaha River	370	x	7 -	
28	BENNINGTON	MR 12	- -	MR613-30E -	Big Papillion Creek	330	x	7 -	
29	BERTRAND	MR 11	- -	K169.2- 267.6-23	Spring Creek	400	0	7 -	
30	BIG SPRINGS	MR 10	- -	MR611.6- 309.8-75.7	South Platte River	500	x	7 -	

INVENTORY OF MUNICIPAL WASTE FACILITIES

STATE	YEAR	PAGE
NEBRASKA	1962	2 of 11

COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION 1	COUNTY 2	1960 Population 3	Estimated Population Served 4	TYPE SEWER SYSTEM 5	AVERAGE DAILY FLOW MGD 6	Des'd For Average Daily Flow MGD P.E. (1000's) 7	TREATMENT FACILITIES TREATMENT 8	LINE NO.
BLADEN	Webster	332 -	320 -	S -	x -	x 0.350	Lo -	1
BLAIR	Washington	4,931 -	4,500 -	S -	x -	x 7.120	ShScGhCmDrBoXdp -	2
BLOOMFIELD	Knox	1,349 -	1,200 -	S -	x -	x x	ClBo -	3
BLUE HILL	Webster	723 -	600 -	S -	x -	x x	ScCp(AmCp)DcpBo -	4
BOYS TOWN	Douglas	997 -	990 -	S -	x -	x x	S CpFtnCpDcpBo -	5
BRADSHAW	York	306 -	300 -	S -	x -	x 0.325	Lo -	6
BRAINARD	Butler	300 -	300 -	S -	x -	x x	Cs -	7
BRIDGEPORT	Morrill	1,645 -	1,000 -	S -	x -	- -	None -	8
BROADWATER	Morrill	235 -	160 -	S -	x -	- -	None -	9
BROKEN BOW	Custer	3,482 -	3,400 -	S -	x -	x 4.600	SmCpFtnDcpBo -	10
BRUNING	Thayer	289 -	150 -	S -	x -	x x	ClFtrCpBo -	11
BURWELL	Garfield	1,425 -	800 -	S -	x -	- -	None -	12
BUSHNELL	Kimball	266 -	250 -	S -	0.040 -	x 0.400	ShClLo -	13
BUTTE	Boyd	526 -	x -	S -	x -	x x	A -	14
CAIRO	Hall	503 -	490 -	S -	0.055 -	0.110 0.550	ShScAmCpDpBo -	15
CALLAWAY	Custer	603 -	600 -	S -	x -	x x	ClBo -	16
CAMBRIDGE	Furnas	1,090 -	850 -	S -	x -	0.120 1.500	ClFtrCpBo -	17
CAMPBELL	Franklin	424 -	410 -	S -	x -	x x	Cl -	18
CEDAR BLUFFS	Saunders	585 -	400 -	S -	0.050 -	0.100 0.500	ShScAmCpDpBo -	19
CEDAR RAPIDS	Booone	512 -	500 -	S -	x -	- -	None -	20
CENTER	Knox	147 -	100 -	S -	x -	x 0.150	ShClFsBo -	21
CENTRAL CITY	Merrick	2,406 -	2,000 -	S -	x -	x x	C FtC D Bo -	22
CERESCO	Saunders	429 -	350 -	S -	x -	x x	Lo -	23
CHADRON	Dawes	5,079 -	4,900 -	S -	x -	x x	Cs -	24
CHAPPELL	Devel	1,280 -	1,200 -	S -	x -	x x	ClFsBo -	25
CHESTER	Thayer	480 -	300 -	S -	x -	0.030 1.000	Sc(AmCp)DcpBo -	26
CLARKS	Merrick	439 -	430 -	S -	x -	x x	ClLo -	27
CLARKSON	Colfax	797 -	780 -	S -	x -	x x	ClBo -	28
CLATONIA	Gage	203 -	190 -	S -	x -	x 0.200	Lo -	29
CLAY CENTER	Clay	792 -	780 -	S -	x -	x 1.000	Lo -	30

INVENTORY OF MUNICIPAL WASTE FACILITIES

STATE	YEAR	PAGE
NEBRASKA	1962	2 of 11

LINE NO.	COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	DRAINAGE BASIN Maj. Min.	DRAINAGE BASIN Sub.	WATER-COURSE MILEAGE	DISCHARGE TO	P.E. (BOD) UN-TREATED WASTE / DIS-CHARGED WASTE	Pollution Abatement Needs	REMARKS
	9	10	10a	11	12	13	14	15
1	BLADEN	MR 11	- -	* -	Flat Creek	320 0	7 -	*MR378.9-142.5-61.8-200E
2	BLAIR	MR 12	- -	M670-0.5-2 -	Blair Creek	4,500 x	7 -	
3	BLOOMFIELD	MR 12	- -	M890-22-20 -	Little Bazile Creek	1,200 900E	2 -	
4	BLUE HILL	MR 11	- -	K142.5 61.8-169	Creek	600 150	7 -	
5	BOYS TOWN	MR 12	- -	M613.5-10- 9-9	Hell Creek to West Papillion Creek	x x	7 -	
6	BRADSHAW	MR 11	- -	- -	Land	300 0	7 -	
7	BRAINARD	MR 11	- -	K142.5-225 -25	Plum Creek	300 300E	4 -	
8	BRIDGEPORT	MR 9	- -	NP142 -	North Platte River	x x	0 -	
9	BROADWATER	MR 9	- -	NP127 -	Sump to North Platte River	160 160	0 -	
10	BROKEN BOW	MR 8	- -	* -	Mud Creek	x x	1 -	*P103-67.5-25.2-18-69.6
11	BRUNING	MR 11	- -	* -	Dry Sandy Creek	150 25E	7 -	*K142.5-61.8-68.1-11-14
12	BURWELL	MR 8	- -	P103-67.5- 64.2	North Loup River	x x	0 -	
13	BUSHNELL	MR 10	- -	- -	Lagoon	250 0	7 -	
14	BUTTE	MR 5	- -	M891.6-45 -	Ponca Creek	x x	4 -	
15	CAIRO	MR 8	- -	P119.0-74.4 -	Creek to Prairie Creek	490 125E	7 -	
16	CALLAWAY	MR 8	- -	P103-67.5- 25.2-100.6	South Loup River	600 450E	7 -	
17	CAMBRIDGE	MR 11	- -	K169.2- 309.6-0.8	Medicine Creek	850 260E	7 -	
18	CAMPBELL	MR 11	- -	K142.5- 61.8-181	Little Blue River	410 280E	7 -	
19	CEDAR BLUFFS	MR 8	- -	P26.4-2.8- 7-25	Silver Creek	490 250	7 -	
20	CEDAR RAPIDS	MR 8	- -	P103-40- 30.9	Cedar River	500 500	0 -	
21	CENTER	MR 12	- -	M880-18 -	Bazile Creek	100 30E	7 -	
22	CENTRAL CITY	MR 8	- -	P148.[illegible] -	Platte River	x x	7 -	
23	CERESCO	MR 8	- -	MR611.6- 26.4-x-x	Lagoon	350 0	7 -	
24	CHADRCN	MR 4	- -	M999.9- 440-5	Chardron Creek to White River	4,900 x	4 -	
25	CHAPPELL	MR 10	- -	SP90.2-2 -	Crow Creek	12,00 500E	7 -	
26	CHESTER	MR 11	- -	K142.5- 61.8-50-32	Rose Creek	300 75E	7 -	
27	CLARKS	MR 8	- -	- -	Land	430 0	7 -	
28	CLARKSON	MR 8	- -	P33.4-34.8 -55.2	Middle Fork of Maple Creek	780 450E	2 -	
29	CLATONIA	MR 11	- -	x -	Clatonia Creek	150E 0	7 -	
30	CLAY CENTER	MR 11	- -	K142.5-61.8 68.1-39-30	Little Sandy Creek	780 0	7 -	

INVENTORY OF MUNICIPAL WASTE FACILITIES

STATE NEBRASKA | YEAR 1962 | PAGE 3 of 11

COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION 1	COUNTY 2	1960 Population 3	Estimated Population Served 4	TYPE SEWER SYSTEM 5	AVERAGE DAILY FLOW MGD 6	Des'd For Average Daily Flow MGD P.E. (1000's) 7	TREATMENT FACILITIES TREATMENT 8	LINE NO.
CLEARWATER	Antelope	418	400	S	x	x 0.550	Lo	1
COLERIDGE	Cedar	604	600	S	x	x x	CiFtnBo	2
COLUMBUS	Platte	12,476	12,300	S	x	x x	Cs*	3
COOK	Johnson	313	300	S	x	0.210 0.325	ShCiFtrCpI Bo	4
CORTLAND	Gage	285	285	S	x	x 0.400	Lo	5
COZAD	Dawson	3,184	3,100	S	x	x 4.000	ShScCmFthCmVvXp	6
CRAWFORD	Dawes	1,588	1,570	S	x	x x	CiFtnBo	7
CREIGHTON	Knox	1,388	1,200	S	x	0.050 1.500	ShCpFtrCpDepBo	8
CRETE	Saline	3,546	3,500	S	x	x 6.600	ScCmFtrCmDfrBo	9
CROFTON	Knox	604	500	S	x	x x	CsFtnBo	10
CULBERTSON	Hitchcock	803	700	S	x	- -	None	11
CURTIS	Frontier	868	860	S	x	x 1.000	CiFtnBo	12
DAKOTA CITY	Dakota	928	800	S	x	- -	None	13
DALTON	Cheyenne	503	550	S	x	x x	CiLo	14
DAVENPORT	Thayer	416	250	S	x	0.038 0.750	Sc(AmCp)DepBo	15
DAVID CITY	Butler	2,304	2,300	S	x	x 3.000	Lo	16
DECATUR	Burt	786	680	S	x	x x	ScCiFtrBo	17
DESHLER	Thayer	956	950	S	x	x x	CiFtnBO	18
DE WITT	Saline	504	400	S	x	x x	ScCp(AmCp)DepBo	19
DIX	Kimball	420	400	S	x	x x	Lo	20
DODGE	Dodge	649	640	S	x	x x	CsBo	21
DONIPHAN	Hall	390	380	S	0.030	x 0.450	ScAeCpLo	22
DORCHESTER	Saline	460	450	S	x	x x	CiFtnBo	23
DUNCAN	Platte	294	120	S	0.010	x 0.100	Lo	24
EAGLE	Cass	302	300	S	x	x x	AmCpDepXd	25
EDGAR	Clay	730	720	S	x	0.100 1.000	ShCm(AmCp)DepBo	26
ELGIN	Antelope	881	850	S	x	0.065 1.000	Sc(AmCp)DepBo	27
ELKHORN	Douglas	749	730	S	x	x 1.250	ShScCm(AmCp)DrBoXdp	28
ELM CREEK	Buffalo	778	400	S	x	x x	CiBo	29
ELMWOOD	Cass	481	475	S	x	x 0.500	CimXpLo	30

INVENTORY OF MUNICIPAL WASTE FACILITIES

STATE	YEAR	PAGE
NEBRASKA	1962	3 of 11

LINE NO.	COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION 9	DRAINAGE BASIN Maj-Min 10	DRAINAGE BASIN Sub. 10a	WATER-COURSE MILEAGE 11	DISCHARGE TO 12	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE 13	Pollution Abatement Needs 14	REMARKS 15
1	CLEARWATER	MR 8	- -	MR611.6- 33.4-200E	Elkhorn River	400 0	7 -	
2	COLERIDGE	MR 12	- -	M825-28.5-6 -	Creek to Pearl Creek	600 190E	7 -	
3	COLUMBUS	MR 8	- -	P103-0.2 -	Loup River to Platte River	x x	0 -	*Present plant abandoned.
4	COOK	MR 12	- -	- -	Ground	300 80E	7 -	
5	CORTLAND	MR 11	- -	x -	Indian Creek	280 0	7 -	
6	COZAD	MR 8	- -	P265.1 -	Platte River	3,100 x	7 -	
7	CRAWFORD	MR 4	- -	M999.9-482 -	White River	1,570 480E	1 -	
8	CREIGHTON	MR 12	- -	M880-36 -	Bazile Creek	1,200 400E	7 -	
9	CRETE	MR 11	- -	K142.5- 180.8	Big Blue River	8,500E x	7 -	
10	CROFTON	MR 12	- -	M825-4.26 -	West Bow Creek	500 x	1 -	
11	CULBERTSON	MR 11	- -	K169.2- 351.6-1.2	Frenchman River	700 700	0 -	
12	CURTIS	MR 11	- -	K169.2- 309.6-35	Medicine Creek	860 225E	4 -	
13	DAKOTA CITY	MR 12	- -	M753.6 -	Missouri River	800 800E	0 -	
14	DALTON	MR 9	- -	MR611.6- 309.8-135E	Lagoon	550E x	7 -	
15	DAVENPORT	MR 11	- -	K142.5-61.8 68.1-40	Draw to Sandy Creek	250 80E	5 -	
16	DAVID CITY	MR 11	- -	* -	Keysor Creek	2,300 0	7 -	*K142.5-247.3-166.6-6.8
17	DECATUR	MR 12	- -	M716.9 -	Missouri River	680 170E	5 -	
18	DESHLER	MR 11	- -	K142.5-61.8 -88.8-9.6	Spring Creek	950 300E	5 -	
19	DE WITT	MR 11	- -	K142.5- 150.8-4.2	Turkey Creek to Big Blue River	400 100E	7 -	
20	DIX	MR 10	- -	MR611.6- 308.9-95E	Lodgepole Creek	400 0	7 -	
21	DODGE	MR 8	- -	P33.4-53.1 -19.8	Willow Creek	640 640	4 -	
22	DONIPHAN	M *	* *	*	Lagoon	380 0	7 -	
23	DORCHESTER	MR 11	- -	K142.5- 176.8-11.6	Squaw Creek	450 150E	2 -	
24	DUNCAN	MR 8	- -	d -	Lagoon	120 0	1 -	
25	EAGLE	MR 8	- -	- -	Land	300 0	7 -	
26	EDGAR	MR 11	- -	K142.5-61.8 -68.1-49	Sandy Creek	720 200E	7 -	
27	ELGIN	MR 8	- -	P33.4-181.9 -20.7	Blacksnake Creek	850 210E	5 -	
28	ELKHORN	MR 12	- -	M613.5-10- 21-5	West Branch of West Papillion Creek	730 730	7 -	
29	ELM CREEK	MR 8	- -	P231.4-2.2 -	Elm Creek	400 300E	7 -	
30	ELMWOOD	MR 12	- -	MR586-40E -	North Branch of Weeping Water Creek	475 90E	7 -	

INVENTORY OF MUNICIPAL WASTE FACILITIES

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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	COUNTY	1960 Population	Estimated Population Served	TYPE SEWER SYSTEM	AVERAGE DAILY FLOW MGD	TREATMENT FACILITIES Des'd For Average Daily Flow MGD P.E. (1000's)	TREATMENT	LINE NO.
1	2	3	4	5	6	7	8	
ELWOOD	Gosper	581 -	575 -	S -	0.050 -	0.075 0.800	ScCmFtrDpBo -	1
EMERSON	Dixon	803 -	800 -	S -	x -	x 0.900	CiFsBo -	2
EUSTIS	Frontier	386 -	350 -	S -	x -	x x	CiBo -	3
EWING	Holt	583 -	580 -	S -	0.071 -	x 1.140	C DepXd -	4
EXETER	Fillmore	745 -	600 -	S -	x -	x x	CiFtnBo -	5
FAIRBURY	Jefferson	5,572 -	5,550 -	S -	x -	x 12.240	ShScOsCmVvXp -	6
FAIRFIELD	Clay	495 -	490 -	S -	0.063 -	0.126 0.630	ScAmCpDpBo -	7
FAIRMONT	Fillmore	829 -	800 -	S -	x -	0.060 0.800	Sh(CmDmr)FtrCpBo -	8
FALLS CITY	Richardson	5,598 -	5,500 -	S -	x -	- -	None -	9
FILLEY	Gage	149 -	140 -	S -	x -	x 0.150	Lo -	10
FIRTH	Lancaster	277 -	270 -	S -	x -	x 0.250	Lo -	11
FORT CALHOUN	Washington	458 -	450 -	S -	x -	x 0.500	Lo -	12
FORT CROOK	Sarpy	75 -	6,000 -	S -	x -	x x	Secondary -	13
FRANKLIN	Franklin	1,194 -	1,100 -	S -	x -	x 2.000	Lo -	14
FREMONT	Dodge	19,698 -	13,600 -	S -	x -	- -	None -	15
FRIEND	Saline	1,069 -	1,000 -	S -	x -	x 1.500	ShCiFtnCpBo -	16
FULLERTON	Nance	1,475 -	1,460 -	S -	x -	- -	None -	17
FUNK	Phelps	141 -	135 -	S -	x -	x 0.150	Lo -	18
GENEVA	Fillmore	2,352 -	1,500 -	S -	x -	x x	CiFtrBo -	19
GENOA	Nance	1,009 -	1,000 -	S -	x -	- -	None -	20
GERING	Scotts Bluff	4,585 -	4,300 -	S -	x -	- -	None -	21
GIBBON	Buffalo	1,083 -	1,060 -	S -	0.043 -	x 1.800	Lo -	22
GILMORE E. Sarpy Co. S&ID	Sarpy	- -	10,000 -	x -	x -	1.500 10.000	Fth -	23
GILTNER	Hamilton	293 -	290 -	S -	x -	x 0.350	Lo -	24
GLENVILLE	Clay	323 -	300 -	S -	0.021 -	x 0.420	Lo -	25
GORDON	Sheridan	2,223 -	2,000 -	S -	x -	x x	CiFtnBo -	26
GOTHENBURG	Dawson	3,050 -	3,000 -	S -	x -	- -	None -	27
GRAND ISLAND	Hall	25,742 -	24,000 -	S -	x -	x 25.000	SmO CmAsCmDmrBo -	28
GRANT	Perkins	1,166 -	700 -	S -	x -	x 1.800	Lo -	29
GREELEY	Greeley	656 -	600 -	S -	0.070 -	x x	CiLo -	30

INVENTORY OF MUNICIPAL WASTE FACILITIES

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LINE NO.	COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	DRAINAGE BASIN Maj. Min.	DRAINAGE BASIN Sub.	WATER-COURSE MILEAGE	DISCHARGE TO	P.E. (BOD) UN-TREATED WASTE / DIS-CHARGED WASTE	Pollution Abatement Needs	REMARKS
	9	10	10a	11	12	13	14	15
1	ELWOOD	MR 11	- -	K169.2- 290.1-22	Dry Creek to Elk Creek	575 150E	7 -	
2	EMERSON	MR 12	- -	M746-4.5- 15-16	North Omaha Creek	800 280E	7 -	
3	EUSTIS	MR 8	- -	P245-25 -	Plum Creek	350 x	7 -	
4	EWING	MR 8	- -	P33.4-210 -	Elkhorn River	580 360E	7 -	
5	EXETER	MR 11	- -	* -	Johnson Creek	600 150E	5 -	*K142.5-192.1-11.7-25
6	FAIRBURY	MR 11	- -	K142.5- 61.8-55.4	Little Blue River	x x	7 -	
7	FAIRFIELD	MR 11	- -	K142.5-61.8 -68.1-57	Roadside ditch to Big Sandy Creek	490 110E	7 -	
8	FAIRMONT	MR 11	- -	* -	Ditch to Indian Creek	800 120	1 -	*K142.5-192.1-29.6-28
9	FALLS CITY	MR 12	- -	M511.2-26.2 -	Big Nemaha River	x x	0 -	
10	FILLEY	MR 12	- -	MR511.2- 26E-80E	Mud Creek	140 0	7 -	
11	FIRTH	MR 8	- -	MR 611.6- 26.4-85E	Middle Branch of Big Nemaha River	270 0	7 -	
12	FORT CALHOUN	MR 12	- -	MR655E-x-x -	x	450 0	7 -	
13	FORT CROOK	MR 12	- -	M613.5-7.5 -	Big Papillion Creek	6,000 900	7 -	
14	FRANKLIN	MR 11	- -	K169.2- 218.4	Republican River	1,100 0	7 -	
15	FREMONT	MR 8	- -	P33.4-22.4 -	Creek to Elkhorn River	x x	0 -	
16	FRIEND	MR 11	- -	K142.5- 150.8-45	Sucker Creek	1,000 200E	5 -	
17	FULLERTON	MR 8	- -	P103-40-2 -	Cedar River	x x	0 -	
18	FUNK	MR 8	- -	- -	Land	135 0	7 -	
19	GENEVA	MR 11	- -	K142.5- 150.8-53	North Branch of Turkey Creek	1,500 500	7 -	
20	GENOA	MR 8	- -	P103-25.1 2.6	Beaver Creek	1,000 1,000	0 -	
21	GERING	MR 9	- -	NP173 -	North Platte River	4,300 4,300	4 -	
22	GIBBON	MR 8	- -	- -	Lagoon	x x	7 -	
23	GILMORE E. Sarpy Co. S&ID	MR 12	- -	x -	Papillion Creek	2,500 375	x -	
24	GILTNER	MR 11	- -	- -	Land	290 0	7 -	
25	GLENVILLE	MR 11	- -	- -	Lagoon	300 0	7 -	
26	GORDON	MR 5	- -	N241.12 -	Antelope Creek	2,000 650E	1 -	
27	GOTHENBURG	MR 8	- -	P272 -	Platte River	3,000 3,000	0 -	
28	GRAND ISLAND	MR 8	- -	P161.4-13 -	Wood River	40,000E 18,000E	7 -	
29	GRANT	MR 11	- -	- -	Ground	700 0	7 -	
30	GREELEY	MR 8	- -	P103.0- 66.5-25	Ditch to Spring Creek	x x	7 -	

INVENTORY OF MUNICIPAL WASTE FACILITIES

STATE NEBRASKA
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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	COUNTY	1960 Population	Estimated Population Served	TYPE SEWER SYSTEM	AVERAGE DAILY FLOW MGD	Des'd For Average Daily Flow MGD P.E. (1000's)	TREATMENT FACILITIES TREATMENT	LINE NO.
1	2	3	4	5	6	7	8	
GREENWOOD	Cass	403 -	380 -	S -	x -	x x	ShLo -	1
GRESHAM	York	239 -	022 -	S -	x -	x x	Lo -	2
GRETNA	Sarpy	745 -	740 -	S -	x -	x x	ShCiFtrCmBoXd -	3
GUIDE ROCK	Webster	441 -	430 -	S -	x -	x 0.700	CimBoXp -	4
HALLAM	Lancaster	264 -	250 -	S -	x -	x 0.300	Lo -	5
HAMPTON	Hamilton	331 -	320 -	S -	x -	x 0.425	Lo -	6
HARTINGTON	Cedar	1,648 -	1,600 -	S -	x -	x x	ShCiFtrBo -	7
HARVARD	Clay	1,261 -	900 -	C -	x -	x x	CiFtrBo -	8
HASTINGS	Adams	21,412 -	21,000 -	S -	x -	x 28.000	ShScGmCmFthCmVvXp -	9
HAY SPRINGS	Sheridan	823 -	600 -	S -	x -	x x	CiBo -	10
HEBRON	Thayer	1,920 -	1,900 -	S -	x -	x 3.000	ScShCimBoXdp -	11
HEMINGFORD	Box Butte	904 -	800 -	S -	x -	x x	CiFtnI bo -	12
HENDERSON	York	730 -	720 -	S -	0.053 -	x x	ScCmAmDep -	13
HENRY	Scotts Bluff	138 -	80 -	S -	x -	- -	Privately owned septic tank* -	14
HICKMAN	Lancaster	288 0	275 -	S -	x -	x 0.300	Lo -	15
HILDRETH	Franklin	305 -	300 -	S -	x -	x 0.400	Lo -	16
HOLBROOK	Furnas	354 -	350 -	S -	x -	x x	CiFtnBo -	17
HOLDREGE	Phelps	5,226 -	5,100 -	S -	x -	x 7.500	ShScGmCmFthCmFttCmVvXp -	18
HOOPER	Dodge	832 -	700 -	S -	x -	- -	None -	19
HOSKINS	Wayne	179 -	80 -	S -	x -	0.025 0.250	CiFtnBo -	20
HOWELLS	Colfax	694 -	600 -	S -	x -	x x	CsDepBo -	21
HUMBOLDT	Richardson	1,322 -	1,300 -	S -	x -	- -	None -	22
HUMPHREY	Platte	801 -	780 -	S -	x -	x x	Cs -	23
HYANNIS	Grant	373 -	360 -	S -	x -	x x	Lo -	24
IMPERIAL	Chase	1,423 -	1,300 -	S -	x -	x 1.000	Lo -	25
INDIANOLA	Red Willow	754 -	720 -	S -	x -	x 1.000	ShScCmDrtXp -	26
JACKSON	Dakota	224 -	210 -	S -	x -	x 0.275	Lo -	27
JANSEN	Jefferson	204 -	160 -	S -	x -	0.030 0.700	Sc(AmCp)DepBo -	28
JOHNSON	Nemaha	304 -	300 -	S -	0.021 -	x 0.420	Lo -	29
JUANITA	Adams	422 -	400 -	S -	x -	x 0.455	Lo -	30

INVENTORY OF MUNICIPAL WASTE FACILITIES

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LINE NO.	COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION 9	DRAINAGE BASIN Maj. Min. 10	DRAINAGE BASIN Sub. 10a	WATER-COURSE MILEAGE 11	DISCHARGE TO 12	P.E. (BOD) UN-TREATED WASTE / DIS-CHARGED WASTE 13	Pollution Abatement Needs 14	REMARKS 15
1	GREENWOOD	MR 8	- -	MR611.6-26. -25	Lagoon	380 0	7 -	
2	GRESHAM	MR 11	- -	- -	Land	230 0	7 -	
3	GRETNA	MR 8	- -	- -	Land	740 0	2 -	
4	GUIDE ROCK	MR 11	- -	MR378.9- 169.2-174.3	Republican River	430 x	7 -	
5	HALLAM	MR 8	- -	- -	Land	250 0	7 -	
6	HAMPTON	MR 11	- -	- -	Land	320 0	7 -	
7	HARTINGTON	MR 12	- -	M825-2: -	Bow Creek	1,600 530E	7 -	
8	HARVARD	MR 11	- -	* -	Branch to West Fork of Blue River	900 250E	5 -	*K142.5-192.1-34.1-33.26
9	HASTINGS	MR 11	- -	* -	West Fork of Blue River	27,000 7,000E	7 -	*K142.5-192.1-34.1-76.7
10	HAY SPRINGS	MR 5	- -	N264-17 -	Rush Creek	600 300E	2 -	
11	HEBRON	MR 11	- -	K142.5-61.8 -89.6	Little Blue River	x x	7 -	
12	HEMINGFORD	MR 8	- -	- -	Land	800 400	7 -	
13	HENDERSON	MR 11	- -	* -	Creek to West Fork of Big Blue River	720 140E	7 -	*K142.5-192.1-34.1-20-13
14	HENRY	MR 9	- -	- -	Ground	80 80E	0 -	*Effluents discharge to municipal sewers.
15	HICKMAN	MR 8	- -	MR611.6- 26.4-25E	Salt Creek	275 0	7 -	
16	HILDRETH	MR 11	- -	- -	Land	300 0	7 -	
17	HOLBROOK	MR 11	- -	K169.2- 300.5	Republican River	350 110E	7 -	
18	HOLDREGE	MR 11	- -	K169.2- 232.3-40	Turkey Creek	x x	7 -	
19	HOOPER	MR 8	- -	P33.4-46.2 -	Elkhorn River	700 700	0 -	
20	HOSKINS	MR 8	- -	P33.4- 141.8-5-8	Creek to North Fork of Elkhorn River	80 20E	7 -	
21	HOWELLS	MR 8	- -	P33.4-34.8 -46.7	East Fork of Maple Creek	600 450E	4 -	
22	HUMBOLDT	MR 12	- -	M511.2- 40.5-26.4	North Fork of Big Nemaha River	1,300 1,300E	0 -	
23	HUMPHREY	MR 8	- -	* -	Tracy Valley Creek	800 800	4 -	*P33.4-128.7-15.8-4.5-13.8
24	HYANNIS	MR 8	- -	- -	Land	360 0	7 -	
25	IMPERIAL	MR 11	- -	- -	Land	1,300 x	7 -	
26	INDIANOLA	MR 11	- -	K169.2- 325.8	Republican River	720 x	7 -	
27	JACKSON	MR 12	- -	MR785E-x-x -	x -	210 0	x -	
28	JANSEN	MR 11	- -	K142.5- 110.4-35	Big Indian Creek	160 30E	5 -	
29	JOHNSON	MR 12	- -	MR544.6-x -x-x	Lagoon	300 0	7 -	
30	JUANITA	MR 11	- -	- -	Land	400 0	7 -	

INVENTORY OF MUNICIPAL WASTE FACILITIES

STATE	YEAR	
NEBRASKA	1962	PAGE 6 of 11

COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	COUNTY	1960 Population	Estimated Population Served	TYPE SEWER SYSTEM	AVERAGE DAILY FLOW MGD	Des'd For Average Daily Flow MGD P.E. (1000's)	TREATMENT FACILITIES TREATMENT	LINE NO.
1	2	3	4	5	6	7	8	
KEARNEY Plant # 1	Buffalo	14,210 -	12,000 -	S -	x -	x 20.000	ShScGmsCmVvXp -	1
KEARNEY Plant # 2	Buffalo	6,000 -	x -	x -	x -	x 3.600	Lo -	2
KENESAW	Adams	546 -	250 -	S -	x -	0.040 1.000	Sc(AmCpPDcpBo -	3
KENNARD	Washington	331 -	300 -	S -	x -	- -	None -	4
KIMBALL Plant # 1	Kimball	4,384 -	4,000 -	S -	x -	x 6.000	C FtnC D Bo -	5
KIMBALL Plant # 2	Kimball	- -	2,000 -	S -	x -	x x	Lo -	6
LAUREL	Cedar	922 -	780 -	S -	x -	x x	ShCmBo -	7
LAWRENCE	Nuckolles	338 -	220 -	S -	x -	x x	ScCp(AmCp)Dcp3o -	8
LEIGH	Colfax	502 -	500 -	S -	x -	x x	ClBo -	9
LEWELLEN	Garden	411 -	300 -	S -	x -	0.125 1.000	Sc(AmCp)DcpBo -	10
LEXINGTON	Dawson	5,572 -	5,000 -	C -	x -	x 8.300	ShScGmCmFthCmDrBoXdp -	11
* LINCOLN	Lancaster	128,521 -	85,000 -	S -	x -	x x	ShApCmFtrDcrHcBo -	12
LINDSAY	Platte	218 -	100 -	S -	x -	x x	ClBo -	13
LODGEPOLE	Cheyenne	492 -	555 -	S -	0.035 -	x x	Lo -	14
LONG PINE	Brown	487 -	470 -	S -	x -	x x	ClBo -	15
LOOMIS	Phelps	299 -	270 -	S -	0.036 -	x 0.460	Lo -	16
LOUISVILLE	Cass	1,194 -	300 -	S -	x -	- -	None -	17
LOUP CITY	Sherman	1,415 -	850 -	S -	x -	- -	None -	18
LYMAN	Scotts Bluff	626 -	350 -	S -	x -	- -	None -	19
LYONS	Burt	974 -	960 -	S -	x -	- -	None -	20
MC COOK	Red Willow	8,301 -	8,000 -	S -	x -	x x	CmFtCmD Bo -	21
MC COOL JUNCTION	York	246 -	240 -	S -	x -	x 0.300	Lo -	22
MADISON	Madison	1,513 -	1,490 -	S -	x -	x 1.750	Lo -	23
MADRID	Perkins	271 -	260 -	S -	x -	x x	ClFtnC I Bo -	24
MEAD	Saunders	428 -	410 -	S -	0.030 -	x 0.450	ScAa -	25
MEADOW GROVE	Madison	430 -	370 -	S -	x -	x x	ClBo -	26
MELBETA	Scotts Bluff	118 -	80 -	S -	x -	0.006 0.150	ShCmBo -	27
MILFORD	Seward	1,462 -	1,350 -	S -	x -	x 1.200	ShScCmDpXdp -	28
MILLARD	Douglas	1,014 -	900 -	S -	x -	x x	ClFtnBo -	29
MINATARE	Scotts Bluff	894 -	800 -	S -	x -	- -	None -	30

INVENTORY OF MUNICIPAL WASTE FACILITIES

STATE	YEAR	PAGE
NEBRASKA	1962	6 of 11

LINE NO.	COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	DRAINAGE BASIN Maj. Min.	Sub	WATER-COURSE MILEAGE	DISCHARGE TO	P.E. (BOD) UN-TREATED WASTE DIS-CHARGED WASTE	Pollution Abatement Needs	REMARKS
	9	10	10a	11	12	13	14	15
1	KEARNEY Plant # 1	MR 8	- -	P210.1-1.5 -	Turkey Creek to Platte River	15,120 15,120	7 -	
2	KEARNEY Plant # 2	MR 8	- -	P178.5-65E -	Wood River	x x	7 -	
3	KENESAW	MR 11	- -	K142.5-61.8 152.25	Thirty-two Mile Creek	250 60E	5 -	
4	KEMNARD	MR 12	- -	M613.5-41 -	Big Papillion Creek	300 300	0 -	
5	KIMBALL Plant # 1	MR 10	- -	SP90-96 -	Lodge Pole Creek	4,000 1,000E	7 -	
6	KIMBALL Plant # 2	MR 10	- -	SP90-96 -	x -	x x	7 -	
7	LAUREL	MR 8	- -	P33.4- 43.8-85	Logan Creek	780 780E	4 -	
8	LAWRENCE	MR 11	- -	K142.5-61.8 -133.4-7	Common Creek	200 20E	7 -	
9	LEIGH	MR 8	- -	P33.4-34.8 -64	Middle Fork of Maple Creek	500 400E	2 -	
10	LEWELLEN	MR 9	- -	NP84 -	North Platte River	300 80E	7 -	
11	LEXINGTON	MR 8	- -	P252.5 -	Creek to Platte River	x x	7 -	
12	* LINCOLN	MR 8	- -	P26.4-25 -	Salt Creek	132,500 33,000	1 -	
13	LINDSAY	MR 8	- -	P83.5-62.8 -	Shell Creek	100 80E	4 -	
14	LODGEPOLE	MR 10	- -	* -	Lagoon	555 0	7 -	*MR611.6-309.8-90.0-25E
15	LONG PINE	MR 5	- -	N96-17 -	Long Pine Creek	470 300E	7 -	
16	LOOMIS	MR 11	- -	* -	Lagoon	270 0	7 -	*MR378.9-169.2-200E-x-x
17	LOUISVILLE	MR 8	- -	P17.2 -	Platte River	300 300	0 -	
18	LOUP CITY	MR 8	- -	P103-67.5- 49.1	Middle Loup River	x x	0 -	
19	LYMAN	MR 9	- -	NP194-5 -	Horse Creek	350 350	0 -	
20	LYONS	MR 8	- -	P33.4-43.8 -24.8	Logan Creek	x x	0 -	
21	MC COOK	MR 11	- -	K169.2- 339.3	Republican River	15,000E 4,000E	7 -	
22	MC COOL JUNCTION	MR 11	- -	* -	West Fork of Big Blue River	240 0	7 -	*MR378.9-142.5-192.1-50E
23	MADISON	MR 8	- -	P33.4 -128.7-18.3	Union Creek	1,490 0	7 -	
24	MADRID	MR 11	- -	- -	Ground	260 70E	7 -	
25	MEAD	MR 12	- -	MR613-10E -x-x	Abandoned borrow pit	410 100E	7 -	
26	MEADOW GROVE	MR 8	- -	P33.4- 167.7-1	Buffalo Creek	370 280E	7 -	
27	MELBETA	MR 9	- -	NP166 -	North Platte River	80 80	7 -	
28	MILFORD	MR 11	- -	K142.5-204 -	Big Blue River	1,350 800E	7 -	
29	MILLARD	MR 12	- -	M613.5-10- 13	West Papillion Creek	900 x	5 -	
30	MINATARE	MR 9	- -	NP166 -	North Platte River	800 800	0 -	

INVENTORY OF MUNICIPAL WASTE FACILITIES

STATE NEBRASKA	YEAR 1962	PAGE 7 of 11

COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	COUNTY	1960 Population	Estimated Population Served	TYPE SEWER SYSTEM	AVERAGE DAILY FLOW MGD	Des'd For Average Daily Flow MGD P.E. (1000's)	TREATMENT FACILITIES TREATMENT	LINE NO.
1	2	3	4	5	6	7	8	
MINDEN	Kearney	2,383 -	2,000 -	S -	x -	0.200 1.800	SeCmFtnDerBe -	1
MITCHELL	Scotts Bluff	1,920 -	1,800 -	S -	x -	- -	None -	2
MONROE	Platte	261 -	250 -	S -	x -	x 0.300	SeACmXd -	3
MORRILL	Scotts Bluff	884 -	650 -	S -	x -	- -	None -	4
MULLEN	Hooker	811 -	750 -	S -	x -	0.030 0.600	ShCiFsIpBe -	5
MURDOCK	Cass	247 -	240 -	S -	x -	x x	Lo -	6
MURRAY	Cass	279 -	260 -	S -	0.040 -	0.090 0.400	ShCiFtrCpBe -	7
NEBRASKA CITY	Otoe	7,252 -	6,000 -	S -	x -	- -	None -	8
NELIGH	Antelope	1,776 -	1,750 -	S -	x -	- -	None -	9
NELSON	Nuckolls	695 -	670 -	C -	x -	- -	None -	10
NEWCASTLE	Dixon	357 -	340 -	S -	x -	0.050 0.500	ShCmFtrCpDmBe -	11
NEWMAN GROVE	Madison	880 -	850 -	S -	x -	x x	Cs -	12
NIOBRARA	Knox	736 -	700 -	S -	x -	- -	None -	13
NORFOLK	Madison	13,640 -	13,500 -	S -	x -	x 14.800	ShSeCmVvXp -	14
NORTH BEND	Dodge	1,174 -	1,100 -	S -	x -	0.120 1.200	ShCmFtrCpDcpBe -	15
NORTH LOUP	Valley	453 -	440 -	S -	x -	x x	Lo -	16
NORTH PLATTE	Lincoln	17,184 -	10,100 -	S -	x -	- -	None -	17
NORTH PLATTE	Lincoln	- -	6,900 -	S -	x -	- -	None -	18
OAKLAND	Burt	1,429 -	1,330 -	S -	x -	- -	None -	19
OGALLALA	Keith	4,250 -	4,000 -	S -	x -	x 6.000	SeCmFthCmVvXp -	20
* OMAHA	Douglas	301,598 -	180,000 -	CS -	x -	- -	None -	21
OMAHA District # 20	Douglas	- -	600 -	S -	0.075 -	x 1.050	AcAmEgDcpXd -	22
OMAHA*	Douglas	- -	1,655 -	x -	x -	0.165 1.653	C Ft -	23
OMAHA S. D. # 6	Douglas	- -	800 -	S -	0.250 -	2.500 0.375	ShCmDm	24
OMAHA Western Part	Douglas	- -	60,000 -	CS -	x -	x -	GmS SeCmAaCmDfrVvXn -	25
O'NEILL	Holt	3,181 -	2,500 -	C -	x -	- -	None -	26
ORCHARD	Antelope	421 -	410 -	S -	x -	x 0.550	Lo -	27
ORD	Valley	2,413 -	2,200 -	CS -	x -	- -	None -	28
ORLEANS	Harlan	608 -	600 -	CS -	x -	- -	None -	29
OSCEOLA	Polk	1,013 -	950 -	S -	x -	x 1.300	Lo -	30

INVENTORY OF MUNICIPAL WASTE FACILITIES

STATE	YEAR	PAGE
NEBRASKA	1962	7 of 11

LINE NO.	COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION 9	DRAINAGE BASIN Maj. Min. 10	DRAINAGE BASIN Sub. 10a	WATER-COURSE MILEAGE 11	DISCHARGE TO 12	P.E. (BOD) UN-TREATED WASTE / DIS-CHARGED WASTE 13	Pollution Abatement Needs 14	REMARKS 15
1	MINDEN	MR 11	- -	K142.5-61.8 -195	Sand Creek	2,000 x	7 -	
2	MITCHELL	MR 9	- -	NP184 -	North Platte River	1,800 1,800	0 -	
3	MONROE	MR 8	- -	* -	Lookingglass Creek	250 25	7 -	*MR611.6-103.0-20E
4	MORRILL	MR 9	- -	NP191 -	North Platte River	650 650	0 -	
5	MULLEN	MR 8	- -	- -	Land	750 375E	5 -	
6	MURDOCK	MR 8	- -	- -	Land	240 0	7 -	
7	MURRAY	MR 12	- -	M601.3-6 -	Rock Creek	260 65E	7 -	
8	NEBRASKA CITY	MR 12	- -	M579.3 -	Missouri River	20,000 20,000E	0 -	
9	NELIGH	MR 8	- -	P33.4-187.7 -	Elkhorn River	x x	0 -	
10	NELSON	MR 11	- -	K142.5-61.8 116-9.4	Elk Creek	670 670	0 -	
11	NEWCASTLE	MR 12	- -	M774-8-13 -	North Aowa Creek	340 160E	5 -	
12	NEWMAN GROVE	MR 8	- -	P83.5-69.7 -	Shell Creek	x x	4 -	
13	NIOBRARA	MR 12	- -	M884 -	Missouri River	1,150 1,150	0 -	
14	NORFOLK	MR 8	- -	P33.4-143.5 -	Elkhorn River	x x	7 -	
15	NORTH BEND	MR 8	- -	P72.8 -	Platte River	1,100 1,100	5 -	
16	NORTH LOUP	MR 8	- -	MR611.6-103 -67.5-35E	North Loup River	440 0	7 -	
17	NORTH PLATTE	MR 9	- -	NP5.0 -	North Platte River	x x	0 -	
18	NORTH PLATTE	MR 10	- -	SP5.0 -	South Platte River	6,900 6,900	0 -	
19	OAKLAND	MR 8	- -	P33.4-43.8 -17	Loagan Creek	1,330 1,330E	0 -	
20	OGALLALA	MR 10	- -	SP56 -	South Platte River	4,000 x	7 -	
21	* OMAHA	MR 12	- -	M631.4 -	Missouri River	1,280,770 1,280,770	0 -	
22	OMAHA District # 20	MR 12	- -	M613.5-14- 6	Little Papillion Creek	600 120E	7 -	
23	OMAHA*	MR 12	- -	x -	Missouri River	1,655 250	x -	*Selding Heights Addition; County S.&ID # 31
24	OMAHA S. D. # 6	MR 12	- -	x -	x -	800 530	7 -	
25	OMAHA Western Part	MR 12	- -	M613-14-0.5 -	Little Papillion Creek	x x	7 -	
26	O'NEILL	MR 8	- -	P33.4-236.1 -	Elkhorn River	4,820 4,820E	0 -	
27	ORCHARD	MR 12	- -	- -	Land	410 0	7 -	
28	ORD	MR 8	- -	P103-67.5- 50.3	North Loup River	2,200 2,200	0 -	
29	ORLEANS	MR 11	- -	K169.2-255 -	Republican River	x x	0 -	
30	OSCEOLA	MR 11	- -	* -	Prairie Creek	950 40	7 -	*K142.5-247.3-22.4-5

INVENTORY OF MUNICIPAL WASTE FACILITIES

STATE	YEAR	PAGE
NEBRASKA	1962	8 of 11

COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	COUNTY	1960 Population	Estimated Population Served	TYPE SEWER SYSTEM	AVERAGE DAILY FLOW MGD	Des'd For Average Daily Flow MGD P.E. (1000's)	TREATMENT FACILITIES TREATMENT	LINE NO.
1	2	3	4	5	6	7	8	
OSHKOSH	Garden	1,025 -	700 -	C -	x -	- -	None -	1
OSMOND	Pierce	719 -	700 -	S -	x -	0.050 0.750	ClFsBo -	2
OVERTON	Dawson	523 -	470 -	S -	0.500 -	1.000 0.700	ScCpFtrDp -	3
OXFORD	Furnas	1,090 -	1,000 -	S -	x -	x x	ShCp(AmCp)DcpBo -	4
PALISADE	Hayes	544 -	500 -	S -	x -	x x	CsFsBo -	5
PALMYRA	Otoe	377 -	360 -	S -	x -	x 0.400	Lo -	6
PAPILLION	Sarpy	2,235 -	2,000 -	S -	x -	- -	None -	7
PAWNEE CITY	Pawnee	1,343 -	1,300 -	S -	x -	x x	ScCmFtrCmDcpBo -	8
PAXTCN	Keith	566 -	450 -	S -	x -	x x	Sc(AmCp)DcpBo -	9
PENDER	Thurston	1.165 -	1,350 -	CS -	x -	- -	None -	10
PERU	Nemaha	1,151 -	1,000 -	S -	x -	x x	ScCp(AmCp)DcpBo -	11
PIERCE	Pierce	1,216 -	1,100 -	S -	x -	- -	None -	12
PILGER	Stanton	491 -	470 -	S -	x -	- -	None -	13
PLAINVIEW	Pierce	1,467 -	1,440 -	S -	x -	x 1.500	Lo -	14
PLATTE CENTER	Platte	402 -	400 -	S -	0.030 -	x 0.450	ScAa -	15
PLATTSMOUTH	Cass	6,244 -	6,000 -	C -	x -	x 7.000	ShScCmDfhrBoXdp -	16
PLYMOUTH	Jefferson	372 -	350 -	S -	x -	x x	L -	17
POLK	Polk	433 -	400 -	S -	x -	x 0.650	ClFtBo -	18
PONCA	Dixon	924 -	900 -	C -	x -	- -	None -	19
POTTER	Cheyenne	534 -	525 -	S -	x -	x x	Lo -	20
PRAGUE	Saunders	372 -	360 -	x -	x -	x 0.500	Lo -	21
RALSTON	Douglas	2,977 -	(2,500) -	S -	x -	- -	None (thru Omaha Sewers)	22
RANDOLPH	Cedar	1,063 -	900 -	S -	x -	x x	ClFtnBo -	23
RAVENNA	Buffalo	1,417 -	1,400 -	S -	x -	- -	None -	24
RED CLOUD	Webster	1,525 -	1,500 -	S -	x -	x x	ShClmBoXdp -	25
REPUBLICAN CITY	Harlan	189 -	180 -	S -	x -	x x	ClFtBo -	26
RISING CITY	Butler	308 -	310 -	S -	x -	x 0.300	Lo -	27
RUSHVILLE	Sheridan	1,228 -	1,000 -	S -	x -	x x	ClFtnBo -	28
SAINT EDWARD	Boone	777 -	750 -	S -	x -	- -	None -	29
SAINT PAUL	Howard	1,714 -	1,700 -	S -	x -	- -	None -	30

INVENTORY OF MUNICIPAL WASTE FACILITIES

STATE NEBRASKA	YEAR 1962	PAGE 8 of 11	

LINE NO.	COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION 9	DRAINAGE BASIN Maj. Min. 10	DRAINAGE BASIN Sub. 10a	WATER-COURSE MILEAGE 11	DISCHARGE TO 12	P.E. (BOD) UN-TREATED WASTE / DIS-CHARGED WASTE 13	Pollution Abatement Needs 14	REMARKS 15
1	OSHKOSH	MR 9	- -	NP95.1 -	Lost Creek to North Platte River	x x	0 -	
2	OSMOND	MR 8	- -	P33.4-141.8 -25	North Branch of Elkhorn River	700 700	5 -	
3	OVERTON	MR 8	- -	P231.4-1-10 -	Buffalo Creek	470 110	7 -	
4	OXFORD	MR 11	- -	K169.2- 279.8	Republican River	x x	7 -	
5	PALISADE	MR 11	- -	K169.2 -351.6-23.6	Frenchman Creek	500 160E	1 -	
6	PALMYRA	MR 12	- -	MR544.6-65E -	Little Nemaha River	360 0	7 -	
7	PAPILLION	MR 12	- -	M613.5-10-5 -	West Papillion Creek	2,000 2,000	0 -	
8	PAWNEE CITY	MR 12	- -	M511.2-40.5 -46-19	Turkey Creek	1,300 300	5 -	
9	PAXTON	MR 10	- -	SP36 -	South Platte River	450 100	7 -	
10	PENDER	MR 8	- -	P33.4-43.8 -44.6	Drainage ditch	3,030 3,030E	0 -	
11	PERU	MR 12	- -	M561.2 -	Ditch to Missouri River	1,000 250	5 -	
12	PIERCE	MR 8	- -	P33.4-141.8 22.4	North Fork of Elkhorn River	1,100 1,100	0 -	
13	PILGER	MR 8	- -	P33.4-110.5 -	Elkhorn River	470 470	0 -	
14	PLATTE CENTER	MR 8	- -	P83.5-40 -	Shell Creek	400 100E	7 -	
15	PLAINVIEW	MR 8	- -	P33.4-141.8 -40	Dry Creek	1,440 x	7 9	
16	PLATTSMOUTH	MR 12	- -	M607.5 -	Missouri River	x x	7 -	
17	PLYMOUTH	MR 11	- -	* -	Lagoon	350 0	7 -	*MR378.9-142.5-61.8-60E
18	POLK	MR 11	- -	K142.5- 247.3-40	Dry Creek	400 200E	 -	
19	PONCA	MR 12	- -	M774-8 -	Aowa Creek	900 900	0 -	
20	POTTER	MR 10	- -	* -	Lagoon	525 0	7 -	*MR611.6-309.8-90-60E
21	PRAGUE	MR 8	- -	MR611.6- 26.4-60E	Cottonwood Creek	360 0	7 -	
22	RALSTON	MR 12	- -	- -	Missouri River	- -	- -	
23	RANDOLPH	MR 8	- -	P33.4-43.8 -60-25	Dog Creek	900 750E	5 -	
24	RAVENNA	MR 8	- -	P103-67.5- 25.2-15.4	South Loup River	2,170 2,170E	0 -	
25	RED CLOUD	MR 11	- -	K169.2- 186.7	Republican River	x x	7 -	
26	REPUBLICAN CITY	MR 11	- -	K162.9-240 -	Republican River	180 45E	5 -	
27	RISING CITY	MR 11	- -	* -	North Fork of Big Blue River	300 0	7 -	*MR378.-142.5-275E
28	RUSHVILLE	MR 5	- -	N2[illegible]4-13 -	Rush Creek	1,000 300E	1 -	
29	SAINT EDWARD	MR 8	- -	P103-25.1- 22.6	Beaver River	750 750E	0 -	
30	SAINT PAUL	MR 8	- -	P103-67.5 -6.6	Middle Loup River	1,900 1,900	0 -	

INVENTORY OF MUNICIPAL WASTE FACILITIES

STATE NEBRASKA
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COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	COUNTY	1960 Population	Estimated Population Served	TYPE SEWER SYSTEM	AVERAGE DAILY FLOW MGD	Des'd For Average Daily Flow MGD P.E. (1000's)	TREATMENT FACILITIES TREATMENT	LINE NO.
1	2	3	4	5	6	7	8	
SARGENT	Custer	876 -	700 -	S -	x -	x 0.900	Lo -	1
SCHUYLER	Colfax	3,096 -	2,700 -	S -	x -	x 3.000	Lo -	2
SCOTIA	Greeley	350 -	325 -	S -	0.025E -	0.050 0.300	ClLo -	3
SCOTTSBLUFF	Scotts Bluff	13,377 -	12,500 -	S -	x -	- -	None -	4
SCRIBNER	Dodge	1,021 -	1,000 -	S -	x -	- -	None -	5
SEWARD	Seward	4,208 -	4,000 -	S -	x -	x 4.750	ShScGaCmFthCmDfhrtBoXdp -	6
SHELBY	Polk	613 -	350 -	S -	x -	x 0.700	Lo -	7
SHELTON	Buffalo	904 -	700 -	S -	x -	x 1.340	Sc(AmCp)DcpBo -	8
SHICKLEY	Fillmore	371 -	150 -	S -	0.040 -	0.080 0.400	ScShAmCpDpBo -	9
SIDNEY	Cheyenne	8,004 -	8,000 -	S -	1.500 -	x 15.000	ShScCmFthCmDcprtZdp -	10
SILVER CREEK	Merrick	431 -	300 -	S -	x -	- -	None -	11
SNYDER	Dodge	325 -	300 -	S -	x -	x x	ClBo -	12
SOUTH SIOUX CITY	Dakota	7,200 -	6,000 -	S -	x -	- -	None -	13
SPALDING	Greeley	683 -	650 -	S -	x -	- -	None -	14
SPENCER	Boyd	671 -	600 -	S -	x -	- -	None -	15
SPRINGFIELD	Sarpy	506 -	500 -	S -	x -	x x	ClFtBo -	16
STANTON	Stanton	1,317 -	900 -	C -	x -	- -	None -	17
STAPLEHURST	Seward	240 -	225 -	S -	x -	x x	Cl -	18
STAPLETON	Logan	359 -	350 -	S -	0.050 -	0.144 1.000	ShScAmCpDpBo -	19
STERLING	Johnson	471 -	200 -	S -	x -	x x	Cl -	20
STRATTON	Hitchcock	492 -	450 -	S -	x -	x x	ShClFtnBo -	21
STROMSBURG	Polk	1,244 -	1,250 -	S -	x -	x x	ShClFtrC Bo -	22
STUART	Holt	794 -	450 -	S -	x -	x 0.840	ClFtnBo -	23
SUPERIOR	Nuckolls	2,935 -	2,900 -	S -	x -	x 9.570	ScCmFthCmVv -	24
SUTHERLAND	Lincoln	867 -	850 -	S -	x -	x 0.900	Lo -	25
SUTTON	Clay	1,252 -	1,200 -	S -	x -	0.200 1.600	ScCp(AmCp)DcpBo -	26
SYRACUSE	Otoe	1,261 -	1,000 -	CS -	x -	- -	None -	27
TALMAGE	Otoe	361 -	350 -	S -	x -	0.020 0.600	CpFtrCpDcpBo -	28
TECUMSEH	Johnson	1,887 -	1,550 -	S -	x -	- -	None -	29
TEKAMAH	Burt	1,788 -	1,750 -	S -	x -	x x	ScCp(AmCp)DcpBo -	30

INVENTORY OF MUNICIPAL WASTE FACILITIES

STATE	YEAR	PAGE
NEBRASKA	1962	9 of 11

LINE NO.	COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	DRAINAGE BASIN		WATERCOURSE MILEAGE	DISCHARGE TO	P.E. (BOD) UNTREATED WASTE DISCHARGED WASTE	Pollution Abatement Needs	REMARKS
	9	Maj. Min. 10	Sub. 10a	11	12	13	14	15
1	SARGENT	MR 8	- -	P103-67.5- 86.3	Middle Loup River	700 20E	7 -	
2	SCHUTLER	MR 8	- -	P84-4 -	Lost Creek	2,700 0	4 -	
3	SCOTIA	MR 8	- -	P103.0-67.5 -25.8-0.2	Creek to North Loup River	325 x	7 -	
4	SCOTTSBLUFF	MR 9	- -	NP174 -	North Platte River	13,000 13,000	0 -	
5	SCRIBNER	MR 8	- -	P33.4-55 -	Elkhorn River	1,000 1,000E	0 -	
6	SEWARD	MR 11	- -	K142.5- 225.3	Big Blue River	4,000 400	7 -	
7	SHELBY	MR 11	- -	K142.5- 247.3-18	Dry Creek	350 0	7 -	
8	SHELTON	MR 8	- -	P161.4.43.1 -	Wood River	700 180E	7 -	
9	SHICKLEY	MR 11	- -	K142.5-61.8 -68.1-11-26	Dry Sandy Creek	150 40	7 -	
10	SIDNEY	MR 10	- -	SP90-55.7 -	Lodgepole Creek	8,000 16,000E	7 -	
11	SILVER CREEK	MR 8	- -	P127.2 -	Platte River	300 300E	0 -	
12	SNYDER	MR 8	- -	P33.4-53.1 -	Pebble Creek	300 220E	8 -	
13	SOUTH SIOUX CITY	MR 12	- -	M760 -	Missouri River	6,000 6,000E	0 -	
14	SPALDING	MR 8	- -	P103-40.53 -	Cedar River	650 650E	0 -	
15	SPENCER	MR 5	- -	M891.6-35 -	Ponca Creek	600 600E	0 -	
16	SPRINGFIELD	MR 8	- -	P12.3 -	Creek to Platte River	500 250E	7 -	
17	STANTON	MR 8	- -	P33.4-127.2 -	Elkhorn River	900 900E	0 -	
18	STAPLEHURST	MR 11	- -	K142.5-236 -	Blue River	225 150E	1 -	
19	STAPLETON	MR 8	- -	P103-67.5- 25.2-150	South Loup River	350 90E	7 -	
20	STERLING	MR 12	- -	M511.2-40.5 -70.3	North Fork of Big Nemaha River	200 150E	7 -	
21	STRATTON	MR 11	- -	K169.2 -374.9	Republican River	450 200E	7 -	
22	STROMSBURG	MR 11	- -	K142.5- 247.3-29.5	North Branch of Blue River	1,250 320E	7 -	
23	STUART	MR 8	- -	P33.4-269.5 -	Elkhorn River	450 225E	7 -	
24	SUPERIOR	MR 11	- -	K169.2- -54.4	Republican River	15,200 15,200	7 -	
25	SUTHERLAND	MR 10	- -	- -	Land	830 0	7 -	
26	SUTTON	MR 11	- -	* -	School Creek	1,200 200E	7 -	*K142.5-192.1-34.1-33-7
27	SYRACUSE	MR 12	- -	M544.6-42 -	Little Nemaha River	1,000 1,000	0 -	
28	TALMAGE	MR 12	- -	M544.6-28 -	Little Nemaha River	350 105E	5 -	
29	TECUMSEH	MR 12	- -	M511.2-40.5 -56.6	North Fork of Nemaha River	1,550 1,550	0 -	
30	TEKAMAH	MR 12	- -	M689-7.5- 0.2	Tekamah Creek	1,750 450E	7 -	

INVENTORY OF MUNICIPAL WASTE FACILITIES

STATE	YEAR	
NEBRASKA	1962	PAGE 10 of 11

COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	COUNTY	1960 Population	Estimated Population Served	TYPE SEWER SYSTEM	AVERAGE DAILY FLOW MGD	Des'd For Average Daily Flow MGD P.E. (1000's)	TREATMENT FACILITIES TREATMENT	LINE NO.
1	2	3	4	5	6	7	8	
THEDFORD	Thomas	303 -	250 -	S -	x -	- -	None -	1
THURSTON	Thurston	140 -	140 -	S -	x -	- -	None -	2
TILDEN	Madison	917 -	850 -	S -	x -	x x	CaBo -	3
TRENTON	Hitchcock	914 -	850 -	S -	x -	x x	Sc(AmCp)DcpBo -	4
UEHLING	Dodge	231 -	220 -	S -	x -	x x	ShClXd -	5
ULYSSES	Butler	357 -	300 -	S -	x -	x 0.500	Lo -	6
UNADILLA	Otoe	254 -	230 -	S -	x -	x -	Lo -	7
UTICA	Seward	564 -	540 -	S -	x -	x 0.690	Lo -	8
VALENTINE	Cherry	2,875 -	2,500 -	S -	x -	- -	None -	9
VALLEY	Douglas	1,452 -	1,400 -	S -	x -	x x	ClFtnBo -	10
VERDIGRE	Knox	584 -	570 -	C -	0.037 -	x x	ScCmDcpXdp -	11
WACO	York	166 -	130 -	x -	x	x 0.180	ScAeCmXd -	12
WAHOO	Saunders	3,610 -	3,300 -	S -	x -	- -	None -	13
WAKEFIELD	Dixon	1,068 -	1,150 -	S -	x -	- -	None -	14
WALTHILL	Thurston	844 -	840 -	S -	x -	- -	None -	15
WATERLOO	Douglas	516 -	500 -	S -	x -	x x	x -	16
WAUNETA	Chase	794 -	795 -	S -	x -	- -	None -	17
WAUSA	Knox	724 -	750 -	C -	x -	x x	Sc(AmCp)DcpBo -	18
WAVERLY	Lancaster	511 -	500 -	S -	0.023 -	x 0.900	Lo -	19
WAYNE	Wayne	4,217 -	4,000 -	S -	x -	- -	None -	20
WEEPING WATER	Cass	1,048 -	850 -	S -	x -	0.065 1.400	ScCp(AmCp)DcpBo -	21
WEST LINCOLN	Lancaster	507 -	(400) -	S -	x -	- -	See Lincoln -	22
WESTERN (V)	Saline	351 -	435 -	x -	x -	0.054 0.543	A -	23
WESTON	Saunders	340 -	150 -	S -	x -	- -	None -	24
WEST POINT	Cuming	2,921 -	2,500 -	S -	x -	- -	None -	25
WILBER	Saline	1,358 -	1,300 -	S -	x -	- -	None -	26
WILCOX	Kearney	260 -	240 -	x -	x -	x 0.300	Lo -	27
WINNEBAGO	Thurston	682 -	400 -	S -	x -	- -	None -	28
WINSIDE	Wayne	416 -	400 -	C -	x -	- -	None -	29
WISNER	Cuming	1,192 -	1,180 -	S -	x -	- -	None -	30

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LINE NO	COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	DRAINAGE BASIN Maj. Min.	DRAINAGE BASIN Sub.	WATER-COURSE MILEAGE	DISCHARGE TO	P.E. (BOD) UN-TREATED WASTE	P.E. (BOD) DIS-CHARGED WASTE	Pollution Abatement Needs	REMARKS
	9	10	10a	11	12	13	13	14	15
1	THEDFORD	MR 8	- -	P103-67.5-135	Middle Loup River	250	250	0 -	
2	THURSTON	MR 8	- -	P33.4-43.8-48	Creek to Logan Creek	140	140	0 -	
3	TILDEN	MR 8	- -	P33.4-174.2 -	Elkhorn River	850	850	4 -	
4	TRENTON	MR 11	- -	K169.2-362.4	Republican River	850	500E	4 -	
5	UEHLING	MR 8	- -	- -	Land	220	0	2 -	
6	ULYSSES	MR 11	- -	K142.5-246 -	Big Blue River	300	0	7 -	
7	UNADILLA	MR 12	- -	- -	Land	230	-	7 -	
8	UTICA	MR 11	- -	- -	Land	540	25E	7 -	
9	VALENTINE	MR 5	- -	N146.4 -	Minnechaduza Creek	2,500	2,500	0 -	
10	VALLEY	MR 8	- -	P33.4-15.1 -	Elkhorn River	1,400	600E	5 -	
11	VERDIGRE	MR 5	- -	N5-9 -	Verdigre Creek	570	380E	7 -	
12	WACO	MR 11	- -	- -	Land	130	0	7 -	
13	WAHOO	MR 8	- -	P26.4-2.8-25	Wahoo Creek	5,460	5,460	0 -	
14	WAKEFIELD	MR 8	- -	P33.4-43.8-60	Logan Creek	1,150	1,150	0 -	
15	WALTHILL	MR 12	- -	M746-4.5-17 -	Omaha Creek	840	840	0 -	
16	WATERLOO	MR 8	- -	P33.4-13 -	Elkhorn River	500	350E	7 -	
17	WAUNETA	MR 11	- -	K169.2-351.6-42.3	Frenchman Creek	900	900	0 -	
18	WAUSA	MR 8	- -	P33.4-141.8-50	Creek to North Branch of Elkhorn River	750	250	7 -	
19	WAVERLY	MR 8	- -	- -	Lagoon	500	0	7 -	
20	WAYNE	MR 8	- -	P33.4-43.8-60-9.6	South Fork of Logan Creek	6,140	6,140	0 -	
21	WEEPING WATER	MR 12	- -	M585.8-25 -	Weeping Water Creek	850	300E	7 -	
22	WEST LINCOLN	MR 8	- -	- -	Salt Creek	-	-	- -	
23	WESTERN (V)	MR 11	- -	x -	Drainage ditch to intermittent creek	435	65	x -	
24	WESTON	MR 8	- -	P26.4-2.8-33.2	Wahoo Creek	150	150	0 -	
25	WEST POINT	MR 8	- -	P33.4-75.5 -	Elkhorn River	x	x	0 -	
26	WILBER	MR 11	- -	K142.5-167.1	Big Blue River	1,300	500E	7 -	
27	WILCOX	MR 11	- -	- -	Land	240	0	7 -	
28	WINNEBAGO	MR 12	- -	M746-4.5-8 -	Omaha Creek	400	400	0 -	
29	WINSIDE	MR 8	- -	P33.4-43.8-60-19.4	South Fork of Logan Creek	400	400E	0 -	
30	WISNER	MR 8	- -	P33.4-98.3 -	Elkhorn River	1,180	1,180E	0 -	

INVENTORY OF MUNICIPAL WASTE FACILITIES

STATE	YEAR	
NEBRASKA	1962	PAGE 11 of 11

COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	COUNTY	1960 Population	Estimated Population Served	TYPE SEWER SYSTEM	AVERAGE DAILY FLOW MGD	Des'd For Average Daily Flow MGD P.E. (1000's)	TREATMENT FACILITIES — TREATMENT	LINE NO.
1	2	3	4	5	6	7	8	
WOLBACH	Greeley	382 -	375 -	S -	x -	x x	SeCp(AmCp)DopBo -	1
WOOD RIVER	Hall	828 -	600 -	S -	x -	0.072 1.200	SeCp(AmCp)[pDopBo -	2
WYMORE	Gage	1,975 -	2,400 -	S -	x -	x x	SeCmFtrCpDopBo -	3
YORK	York	6,173 -	6,000 -	C -	0.601 -	x 7.500	GhSmCmFtbCmDbmsLd -	4
YUTAN	Saunders	335 -	300 -	S -	x -	x x	ClFtCpBo -	5
BEATRICE State Home	Gage	2,185 -	[illegible],185 -	S -	x -	x 4.000	C FtrC D Bo -	6
HASTINGS*	Adams	1,350 -	1,500 -	S -	x -	x x	SeCp(AmCp)IoDopBo -	7
KEARNEY State Boys Home	Buffalo	184 -	200 -	S -	x -	x x	ClFtCpBo -	8
								9
								10
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INVENTORY OF MUNICIPAL WASTE FACILITIES

STATE	YEAR	PAGE
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LINE NO.	COMMUNITY, SEWER OR SANITARY DISTRICT INSTITUTION	DRAINAGE BASIN Maj. Min.	DRAINAGE BASIN Sub.	WATER-COURSE MILEAGE	DISCHARGE TO	P.E. (BOD) UN-TREATED WASTE DIS-CHARGED WASTE	Pollution Abatement Needs	REMARKS
	9	10	10a	11	12	13	14	15
1	WOLBACH	MR 8	- -	P103-66.5- 10.6	Spring Creek	375 70	5 -	
2	WOOD RIVER	MR 8	- -	- -	Gravel pit	x x	5 -	
3	WYMORE	MR 11	- -	K142.5- 110.7	Big Blue River	2,400 600	7 -	
4	YORK	MR 11	- -	K142.5- 34.1-19.5	Beaver Creek	30,000E 8,000E	1 -	
5	YUTAN	MR 8	- -	P26.4-2.8- 1-17	Clear Creek	300E 75E	7 -	
6	BEATRICE State Home	MR 11	- -	K142.5-130 -	Big Blue River	1,700 170	7 -	
7	HASTINGS*	MR 11	- -	K142.5-61.8 138.9-27	Land or Pawnee Creek	1,500 480E	1 -	*Ingleside State Hospital.
8	KEARNEY State Boys Home	MR 8	- -	P210.1-1 -	Turkey Creek	200 50E	7 -	
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INVENTORY OF MUNICIPAL WASTE FACILITIES

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NEBRASKA

Community or facility providing sewer service	Communities and/or facilities served
LINCOLN	Western (V)
OMAHA	Ralston

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INVENTORY OF MUNICIPAL WATER FACILITIES

STATE IOWA

COMMUNITY OR FACILITY	1960 Population	Year Oper. Started		Number of Services		SOURCE OF SUPPLY	Safe Yield Impounded MGD	Rated Plant Capacity MGD	TREATMENT	Distrib. Storage MG Pumped to Mains	IMPROVEMENTS NEEDED
	Estimated Population Served	Present Supply Present Treatment Plant	OWNERSHIP	Number of Meters	LAB. CONTROL		Maximum Dependable Draft (Grd. water) MGD	Average Plant Output MGD		Gravity to Mains	
1	2	3	4	5	6	7	8	9	10	11	12
ACKLEY	1,731 1,730	1957 1938	M	X X	C	6 DRILLED WELLS	- 1.008	1.290 X	I-AO FPS DC (V 0.60)	- .08	X
ADAIR	742 740	1941 1962	M	X X	C	4 DRILLED WELLS	- .174	1.440 X	I-AM SC FPC DH (V 0.50)	- .07	X
ADEL	2,060 2,060	1923 1936	M	X X	C	RACCOON RIVER	X -	.360 X	PH-AS CLA T M S FRS DC (V 0.25)	.04 .25	X
AFTON	773 775	1937 1937	M	X X	C	IMPOUNDING RESERVOIR	80.000 -	.040 X	P-CLA MP S FRS DC (V 0.20)	.05 .05	X
AGENCY	702 700	1958 1958	M	X X	N	4 DRILLED WELLS	- .023	X X	AS FC TC (V 0.70)	- .03	X
AINSWORTH	371 270	1962 -	M	X X	N	DRILLED WELLS	- .129	- X	NONE (V 0.40)	- .04	X
AKRON	1,351 1,350	1959 -	M	X X	N	DUG & GRAVEL PACKED WELLS	- 1.302	- X	NONE (V 0.40)	- .20	X
ALBERT CITY	722 720	1937 1956	M	X X	C	DRILLED WELLS	- .480	.144 X	I-AT S FPS DH (V 0.20)	- .05	X
ALBIA	4,582 4,580	1956 1923	M	X X	C	IMPOUNDING RES & DEEP WELL	1.730 .792	2.010 X	P-AS CAL S FRS DC(V0.30)	.09 .10	X
ALBION	588 590	1950 -	M	X X	N	SHALLOW WELL	- .086	- X	NONE (DH AVAILABLE) (V 0.20)	.02 -	X
ALBURNETT	341 340	1961 -	M	X X	N	DRILLED WELL	- .720	- X	NONE	.02 -	-
ALDEN	838 540	1916 1954	M	X X	C	DRILLED WELL	- .200	.072 X	IH-AO FPZ KP (V 0.30)	- .05	X
ALEXANDER	294 295	1923 1954	M	X X	C	DRILLED WELLS	- .430	.072 X	I-AT FPS (V0.30)	.03 -	X
ALGONA	5,702 5,700	1959 1934	M	X X	C	GRAVEL PACKED WELLS	- 1.330	.691 X	I-AT S FRS DC	.32 .30	X
ALLERTON	692 700	X X	M	X X	C	IMP RESERVOIR	140.000 -	.461 X	P-AT CLA TDC MTB S FRS DC (V 0.20)	.02 .05	X
ALLISON	952 950	1931 1954	M	X X	C	DRILLED WELLS	- .216	.216 X	I-AO FPS (V 0.40)	- .08	X
ALTA	1,393 1,395	1928 1959	M	X X	C	DRILLED WELLS	- .187	.288 X	I-AO FPS (V 0.60)	X .10	X
ALTA VISTA	276 275	1913 -	M	X X	N	DRILLED WELL	- .650	- X	NONE (V 0.20)	- .05	X
ALTON	1,048 1,050	1939 X	M	X X	N	GRAVEL PACKED WELLS & DUG WELL	- .650	X X	NONE (V 0.35) DH (V 0.40)	- .07	X
ALTOONA	1,458 1,460	1961 1961	M	X X	C	DRILLED WELLS	- X	.085 X	I-AO FPS (V 1.60)	- .05	X
ALVORD	238 200	1945 X	M	X X	C	DRIVEN WELL	- .500	X X	DH (V 0.40)	- .05	X
AMANA	500 500	1932 -	P	X X	N	GRAVEL PACKED & DRIVEN WELLS	- .281	- X	NONE (V 0.50)	- .02	X
AMBER	150 150	1949 -	P	X X	N	DRILLED WELL	- .007	- X	NONE (V 0.20)	.02 -	X
AMES	27,003 27,005	1962 1962	M	X X	A	DEEP WELLS	- 4.700	2.100 X	H-AT S CLA M SM R FRS N D VT (V 0.40)	3.20 .50	X
ANAMOSA	4,616 4,615	1955 -	M	X X	N	DRILLED WELLS	- .860	- X	NONE (V 0.20)	- .20	X
ANDREW	349 350	1953 -	M	X X	N	DRILLED WELL	- .043	- X	NONE (V 0.20)	- .03	X
ANITA	1,233 1,235	1960 -	M	X X	N	DRILLED WELL	- .498	- X	NONE (V 0.60) (DH AVAILABLE)	.03 -	X
ANKENY	2,964 2,465	1961 1962	M	X X	C	DRILLED WELLS	- 1.360	.720 X	IH-AO FPZ KP DH (V 0.60)	- .05	X

INVENTORY OF MUNICIPAL WATER FACILITIES

STATE IOWA

COMMUNITY OR FACILITY	1960 Population	Year Oper. Started Present Supply	OWNERSHIP	Number of Services	LAB. CONTROL	SOURCE OF SUPPLY	Safe Yield Impounded MGD	Rated Plant Capacity MGD	TREATMENT	Distrib. Storage MG Pumped to Mains	IMPROVEMENTS NEEDED
	Estimated Population Served	Present Treatment Plant		Number of Meters			Maximum Dependable Draft (Grd. water) MGD	Average Plant Output MGD		Gravity to Mains	
1	2	3	4	5	6	7	8	9	10	11	12
ANTHON	681	1940	M	X	C	DRILLED WELLS	-	X	DH (V 0.80)	-	X
	680	X		X			1.080	X		.10	
APLINGTON	840	1962	M	X	C	DRILLED WELL	-	.180	H-FPZ KP (V 0.40)	-	X
	840	1960		X			.180	X		.04	
ARCADIA	437	1940	M	X	C	DUG &	-	X	DH AT (V 0.80)	-	X
	435	X		X		DRILLED WELLS	.140	X		.03	
ARION	201	1906	M	X	N	DRILLED WELL	-	-	NONE (V 0.35)	-	X
	200	-		X			.072	X		.05	
ARLINGTON	614	1955	M	X	N	DRILLED WELLS	-	-	NONE (V 0.50)	-	X
	615	-		X			.420	X		.07	
ARMSTRONG	958	1952	M	X	C	DRILLED WELLS	-	.216	IH-AO DC FPZ KP (V 0.35)	-	X
	960	X		X			.431	X		.08	
ARNOLDS PARK	953	1960	M	X	C	WEST OKOBOJI LAKE	.860	X	DC (V 0.35)	-	X
	955	1960		X			-	X		.03	
ARTHUR	265	1956	M	X	C	DUG WELLS	-	X	DH (V 0.35)	-	X
	265	X		X			.530	X		.04	
ASHTON	615	1960	M	X	C	BORED WELLS	-	X	DH (V 0.20)	-	X
	615	X		X			.216	X		.05	
ASPINWALL	95	1956	M	X	N	BORED WELL	-	-	NONE (V 0.50)	.01	X
	95	-		X			.070	X		-	
ATKINS	527	1939	M	X	C	DRILLED WELL	-	.060	I-AO FPS AT (V 0.40)	-	X
	525	X		X			.140	X		.05	
ATLANTIC	6.890	1955	M	X	C	GRAVEL PACKED	-	X	AO FA DC KC (V 0.30)	.63	X
	6.890	1957		X		WELLS	2.220	X		.50	
AUBURN	367	1952	M	X	C	DRILLED WELLS	-	.144	H-FPZ KP (V 0.60)	-	X
	365	1952		X			.110	X		.04	
AUDUBON	2.928	1956	M	X	N	DUG & GRAVEL	-	X	DC VT (V 0.35)	-	X
	2.930	X		X		PACKED WELLS	.940	X		.03	
AURELIA	904	1961	M	X	N	DRILLED WELLS	-	-	NONE (V 0.25)	-	X
	905	-		X			.250	X		.13	
AVOCA	1.540	1952	M	X	C	GRAVEL PACKED	-	.250	H-A CLAS(MTPS SV)	.05	X
	1.540	1951				WELL	.270	X	FRS DC (V 0.20)	.10	
AYRSHIRE	298	1918	M	X	C	DRILLED WELL	-	.144	I-AT FPS KP DH (V 0.35)	.01	X
	300	1954		X			.120	X		.05	
BADGER	340	1948	M	X	N	DRILLED WELL	-	-	NONE (V 1.80)	-	X
	340	-		X			.086	X		.03	
BAGLEY	406	1912	M	X	N	DRILLED WELL	-	-	NONE (V 0.25)	-	X
	405	-		X			.144	X		.05	
BALDWIN	228	1912	M	X	N	DRILLED WELL	-	X	DH (V 0.10)	-	X
	230	X		X			.047	X		.03	
BANCROFT	1.000	1959	M	X	C	DRILLED WELLS	-	.144	I-AO FPS KP DH (V 0.60)	.03	X
	1.000	1954		X			.634	X		.05	
BARNES CITY	273	1957	M	X	N	DRILLED WELL	-	-	NONE (V 0.60)	.01	X
	275	-		X			.090	X		-	
BATAVIA	533	1957	M	X	N	DRILLED WELL	-	-	NONE (V 0.40)	-	X
	535	-		X			.070	X		.05	
BATTLE CREEK	786	1953	M	X	N	KELLEY & GRAVEL	-	-	NONE (V 0.30)	-	X
	785	-		X		PACKED WELLS	.290	X		.08	
BAXTER	681	1951	M	X	C	DRILLED WELL	-	.173	I-AM S FPS DC (V 0.30)	-	X
	680	1961		X			.140	X		.05	
BAYARD	597	1960	M	X	C	DRILLED WELL	-	.144	I-AO FGS DH (V 0.60)	-	X
	595	1950		X			.300	X		.04	
BEACON	718	X	M	X	N	OSKALOOSA	-	-	OSKALOOSA	-	-
	(720)	-		X			-	-		-	
BEAMAN	247	1957	M	X	N	DRILLED WELL	-	-	NONE	.01	X
	245	-		X			.144	X		-	

INVENTORY OF MUNICIPAL WATER FACILITIES

STATE IOWA

COMMUNITY OR FACILITY 1	1960 Population Estimated Population Served 2	Year Oper. Started: Present Supply Present Treatment Plant 3	OWNERSHIP 4	Number of Services Number of Meters 5	LAB. CONTROL 6	SOURCE OF SUPPLY 7	Safe Yield Impounded MGD Maximum Dependable Draft (Grd. water) MGD 8	Rated Plant Capacity MGD Average Plant Output MGD 9	TREATMENT 10	Distrib. Storage MG: Pumped to Mains Gravity to Mains 11	IMPROVEMENTS NEEDED 12
BEAVER IOWA W D 1	115 113	1958 -	M	X X	N	DRILLED WELLS	- .078	- X	NONE (V 1.80)	- .03	X
BEDFORD	1,807 1,805	X 1958	M	X X	C	IMP RESERVOIR & 102 RIVER	X -	.580 X	P-AT CLA SO FRS DC (V 0.25)	.08 .15	X
BELLE PLAINE	2,923 2,925	1950 X	M	X X	C	SHALLOW WELLS	- .680	X X	DCH (V 0.20)	- .20	X
BELLEVUE	2,181 2,180	1953 -	M	X X	N	DRILLED WELLS	- .540	- X	NONE (V 0.20)	- .16	X
BELMOND	2,506 2,505	1957 1950	M	X X	C	DRILLED WELLS	- 1.200	.288 X	H-AT CLA M S FRS (V0.20)	.08 .06	X
BENNETT	374 375	1951 1957	M	X X	N	DRILLED WELL	- .420	.070 X	I-AT FPS (V 0.25)	- .05	X
BETTENDORF	11,534 (11,535)	X -	P	X X	N	DAVENPORT	- -	- -	DAVENPORT	- -	-
BLAIRSBURG	287 285	1962 -	M	X X	X	DRILLED WELLS	- .025	- X	NONE (V 1.00)	.01 -	X
BLAIRSTOWN	583 585	1942 1953	M	X X	X	DRILLED WELL	- .216	.070 X	I-AM FPS AT (V 1.80)	- .05	X
BLAKESBURG	401 400	1961 1961	M	45 X	C	DRILLED WELL	- .043	.043 X	I-AC DH FCP TO (V 0.35)	- .05	X
BLANCHARD	174 175	1931 -	M	X X	N	DRILLED WELL	- .050	- X	NONE (V 0.30)	- .05	X
BLOCKTON	343 345	1960 X	M	X X	C	DRILLED WELLS	- .500	X X	DH (V 0.70)	X .03	X
BLOOMFIELD	2,771 2,770	1937 1954	M	X X	C	FOX RIVER /IMP/	X -	.600 X	P-AT CLA TC MP S DC FRS (V 0.20)	.10 .30	X
BLUE GRASS	568 570	1950 -	M	X X	X	DRILLED WELL	- .110	- X	NONE (V 0.25)	.01 .05	X
BODE	430 430	1947 -	M	X X	X	DRILLED WELLS	- .360	- X	NONE (V 0.30)	X .06	X
BONAPARTE	574 575	1950 X	M	X X	C	DRILLED WELL	- .040	X X	DH (V 0.55)	- .04	X
BONDURANT	389 390	1951 1957	M	X X	X	DRILLED WELL	- .043	X X	I-AM FPS (V 3.00)	- .03	X
BOONE	12,468 12,470	1931 X	M	X X	9	GRAVEL PACKED WELLS	- 4.900	X X	DC (V 0.45)	3.00 1.10	X
BOXHOLM	250 250	1955 1953	M	X X	X	BORED & DRILLED WELLS	- .110	.070 X	I-AO FPS (V 2.60)	X .03	X
BOYDEN	562 560	1955 X	M	X X	X	DUG & DRILLED WELLS	- .152	X X	DH (V 0.80)	X .05	X
BRANDON	322 320	1948 -	M	X X	X	DRILLED WELL	- .070	- X	NONE (V 0.90)	X .04	X
BRAYTON	225 225	1954 -	M	X X	X	GRAVEL PACKED WELLS	- .072	- X	NONE (V 0.40)	X .02	X
BREDA	543 545	1942 -	M	X X	X	DRILLED WELLS	- .560	- X	NONE (V 0.50)	.03 .04	X
BRIDGEWATER	225 225	1943 -	M	X X	X	GRAVEL PACKED WELL	- .036	- X	NONE (V 0.20)	X .03	X
BRIGHTON	724 725	X 1947	M	X X	X	DRILLED WELL	- X	.108 X	IH-FPS FPZ DC (V 1.35)	.05 X	X
BRISTOW	268 270	1921 -	M	X X	X	DRILLED WELL	- .100	- X	NONE (V 1.35)	X .05	X
BRITT	2,042 2,040	1937 1956	M	X X	C	DRILLED WELLS	- 1.100	.432 X	I-AM FPS DH AT (V 0.25)	X .10	X
BROOKLYN	1,415 1,415	1962 1962	M	X X	C	DRILLED & GRAVEL PACKED WELLS	- 1.180	X X	IH-FPS FPZ KP DH (V0.60)	X .25	X

INVENTORY OF MUNICIPAL WATER FACILITIES

STATE IOWA

COMMUNITY OR FACILITY	1960 Population	Year Oper. Started: Present Supply	OWNERSHIP	Number of Services	LAB. CONTROL	SOURCE OF SUPPLY	Safe Yield Impounded MGD	Rated Plant Capacity MGD	TREATMENT	Distrib. Storage MG: Pumped to Mains	IMPROVEMENTS NEEDED
	Estimated Population Served	Present Treatment Plant		Number of Meters			Maximum Dependable Draft (Grd. water) MGD	Average Plant Output MGD		Gravity to Mains	
1	2	3	4	5	6	7	8	9	10	11	12
BUFFALO	1.088	1959	M	X	C	DRILLED WELL	-	X	I-AT DH (V 0.30)	-	X
	1.090	1959		X			.288	X		.05	
BUFFALO CENTER	1.140	1959	M	X	C	DRILLED WELLS	-	X	I-AC FPS DH (V 0.40)	X	X
	1.140	1961		X			.634	X		.06	
* BURLINGTON	32.430	X	M	X	A	MISSISSIPPI RIVER	NO LIMIT	12.500	P-CAL DC T HP S FRS	1.35	X
	35.400	1958		X			-	X		4.00	
BURT	620	X	M	X	X	DRILLED WELLS	-	-	NONE (V 0.75)	X	X
	620	-		X			.370	X		X	
BUSSEY	557	1960	M	X	X	DRILLED WELLS	-	.044	I-AM DH FPS (V 1.10)	X	X
	555	1960		X			X	X		.03	
CALAMUS	435	1937	M	X	X	DRILLED WELL	-	-	NONE (V 0.15)	X	X
	435	-		X			.144	X		.04	
CALLENDER	358	1953	M	X	X	DRILLED WELLS	-	-	NONE (V 1.20)	X	X
	360	-		X			.110	X		.02	
CALMAR	954	X	M	X	X	DRILLED WELLS	-	.216	I-AO FPS AT (V 0.30)	X	X
	955	1951		X			.216	X		.05	
CALUMET	225	1953	M	X	X	BORED WELL	-	-	NONE (V 0.70)	.01	X
	200	-		X			.170	X		.01	
COMANCHE	2.225	1956	M	X	X	DRILLED & GRAVEL	-	-	NONE (V 0.20)	X	X
	2.225	-		X		PACKED WELL	.520	X		.05	
CAMBRIDGE	587	1933	M	X	C	DRILLED WELL	-	X	I-AT FPS DH (V0.20)	X	X
	585	X		X			.180	X		.0[illegible]	
CARLISLE	1.317	1958	M	X	C	GRAVEL PACKED	-	.221	I-AT DH FPS (V 0.20)	.01	X
	1.315	1960		X		WELLS	.367	X		.06	
CARROLL	7.682	1958	M	X	C	DRILLED & GRAVEL	-	X	DH (V 0.35)	.11	X
	7.680	X		X		PACKED WELLS	5.112	X		.50	
CARSON	583	1955	M	X	C	GRAVEL PACKED	-	X	H-FPZ KP DH (V 0.35)	X	X
	585	X		X		WELLS	.110	X		.03	
CARTER LAKE	2.287	X	M	X	N	OMAHA NEBRASKA	-	-	OMAHA NEBRASKA	-	-
	(2.285)	-		X			-	-		-	
CASCADE	1.601	1958	M	X	C	DUG & DRILLED	-	X	DC (V 0.15)	-	X
	1.600	X		X		WELL	.530	X		.07	
CASEY	589	1957	M	X	X	DUG WELLS	-	.158	H-FPZ DH (V 0.20)	X	X
	590	1947		X			.100	X		.05	
CASTALIA	216	1950	M	X	X	DRILLED WELL	-	-	NONE (V 1.00)	X	X
	215	-		X			.038	X		.03	
CASTANA	230	1957	M	X	X	DRILLED WELLS	-	-	NONE (V 0.40)	X	X
	230	-		X			.072	X		.03	
CEDAR FALLS	21.195	1961	M	X	C	DRILLED WELLS	-	X	VA (V 0.30)	X	X
	21.195	1958		X			7.500	X		.08	
CEDAR RAPIDS	92.035	1962	M	X	A	CEDAR RIVER &	X	24.000	PH-TC CAILS MP SMO KC	1.00	X
	92.035	1962		X		WELLS /DRILLED/	5.000	X	FRS VS N8 DC TD (V 0.15)	13.55	
CENTER JUNCTION	201	1937	M	X	X	DRILLED WELL	-	X	DH (V 0.40)	.05	X
	200	1952		X			.105	X		X	
CENTER POINT	1.236	1955	M	X	X	DRILLED &	-	-	NONE	.01	X
	1.235	-		X		SHALLOW WELLS	.360	X		.08	
CENTERVILLE	6.629	1962	M	X	C	IMPOUNDING	X	1.700	P-AT CLA T M S FRS DC	X	X
	6.630	1958		X		RESERVOIR	-	X	VA (V 0.20)	.16	
CENTRAL CITY	1.087	1944	M	X	X	DRILLED WELLS	-	-	NONE (V 0.10)	.04	X
	1.085	-		X			.705	X		X	
CHARITON	5.042	X	M	X	C	IMPOUNDING	920.000	1.000	P-AT CLA MTPS S FRS DC	.10	X
	5.040	1958		X		RESERVOIRS	-	X	VA (V 0.20)	.46	
CHARLES CITY	9.964	1956	M	X	C	DRILLED WELLS	-	.720	FD DC (V 1.00)	X	
	9.965	1961		X			4.840	X	(FD ONE WELL ONLY)	.30	
CHARLOTTE	417	1949	M	X	X	DRILLED WELL	-	-	NONE (V 0.50)	X	X
	415	-		X			.288	X		.03	

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1	2	3	4	5	6	7	8	9	10	11	12
CHARTER OAK	665 665	1955 1941	M	X X	C	DUG WELLS	- .389	.144 X	I-AM FPS DC (V 0.20)	X .08	X
CHELSEA	453 455	1955 -	M	X X	X	GRAVEL PACKED WELL	- .228	- X	NONE (V 0.20)	X .05	X
CHEROKEE	7.724 7.725	1951 1961	M	X X	C	DEEP WELLS	- 2.740	X X	DC (V 0.78)	.29 .40	X
CHESTER	211 210	1900 -	M	X X	X	DRILLED WELL	- .360	- X	NONE (V 0.90)	X .02	X
CHURDAN	586 585	1937 1952	M	X X	C	DRILLED WELLS	- 1.220	.072 X	H-CL M S FPS (V 0.20)	X .06	X
CLARE	245 245	1956 1956	M	X X	C	DRILLED WELL	- .043	.043 X	I-AM FPA (V 0.70)	.01 -	X
CLARENCE	859 860	1953 X	M	X X	N	DRILLED WELL	- .144	X X	I-AM FPS DH AT (V 0.25)	X .07	X
CLARINDA	5.901 5.900	X 1959	M	X X	C	NODAWAY RIVER	X -	1.000 X	P-CLA TC MTP SC NC VT FRS DC (V 0.25)	1.20 .40	X
CLARION	3.202 3.200	1958 1962	M	X X	C	DRILLED WELLS	- 2.120	1.000 X	I-AM FPS DH AO (V 0.20)	X .07	X
CLARKSVILLE	1.328 1.330	1939 -	M	X X	N	DRILLED WELLS	- 1.590	- X	NONE (V 0.32)	X .50	X
CLAYTON	130 130	X -	M	X X	N	SPRINGS	- X	- X	NONE (V 0.20)	X .01	X
CLEAR LAKE	6.158 6.160	X 1949	M	X X	C	CLEAR LAKE	X -	1.000 X	P-AM CALO (HTPS SV) FRA TC DC (V 0.25)	.08 .50	X
CLEGHORN	228 230	1936 -	M	X X	N	DRILLED WELL	- .080	- X	NONE (V 1.20) (DH AVAILABLE)	X .03	X
CLEMONS	198 200	1955 -	M	X X	N	GRAVEL PACKED WELL	X .106	- X	NONE (V 0.30)	X .01	X
CLERMONT	570 570	1929 1951	M	X X	X	DRILLED WELLS	- .432	X X	DH (V 0.15)	X .06	X
CLINTON	33.589 33.590	1954 1957	P	X X	A	DRILLED WELLS	- 9.200	3.000 X	DC	1.64 .75	X
CLIVE	752 (750)	1960 -	M	X X	N	DES MOINES	- -	- -	DES MOINES	- -	-
CLUTIER	292 290	1955 X	M	X X	N	DRILLED WELL	- .040	.040 X	I-AT FRS (V 0.45)	X .05	X
COGGON	672 670	1924 -	M	X X	N	DRILLED WELLS	- .240	- X	NONE H-FPZ KP (V 0.15) (AVAILABLE)	X .05	X
COIN	346 345	1955 1957	M	X X	N	GRAVEL PACKED WELLS	- .043	X X	I-AD FPS DH (V 0.30)	X .04	X
COLESBURG	365 365	1952 1960	M	X X	N	DRILLED WELLS	- .084	X X	DH (V 0.15)	X .03	X
COLFAX	2.331 2.330	1956 1962	M	X X	X	GRAVEL PACKED WELLS	- 1.440	X X	DH (V 0.20)	X .25	X
COLLINS	435 435	1926 1929	M	X X	X	DRILLED WELL	- .864	X X	I-AC FPS DH (V 4.00)	X .05	X
COLO	874 575	1959 1960	M	X X	N	DRILLED WELLS	- .300	X X	I-AM FPS DH (V 1.00)	X .06	X
COLUMBUS JUNCTION	1.016 1.015	1952 1960	M	X X	N	GRAVEL PACKED WELLS	- .370	.180 X	IH-AD FPA FPZ KP DC (V 0.30)	- .08	X
CONRAD	799 800	1962 1962	M	X X	N	DRILLED WELLS	- .360	X X	DC (V 0.40)	X .06	X
COON RAPIDS	1.560 1.560	1957 -	M	X X	N	DRILLED & GRAVEL PACKED WELLS	- 1.200	- X	NONE (V 0.35)	X .05	X
CORALVILLE	2.357 (2.355)	X -	M	X X	N	IOWA CITY	- -	- -	IOWA CITY	- -	-

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1	2	3	4	5	6	7	8	9	10	11	12
CORNING	2,041 2,040	1948 1960	M	X X	N	NODAWAY RIVER & IMP RESERVOIRS	220.000 -	X X	P-AT CAL TC MBP SC FRS DC (V 1.00)	X .09	X
CORRECTIONVILLE	912 910	1957 X	M	X X	N	DRILLED & BORED WELL	- .920	X X	DH (V 0.60)	X .04	X
CORWITH	488 490	1953 1961	M	X X	N	DRILLED WELLS	- .600	X X	H-FPZ DH KP (V 0.35)	X .05	X
CORYDON	1,687 1,685	1937 1918	M	X X	C	IMP RESERVOIR	X -	X X	P-DC CLA TC M S FRS DC (V 0.15)	.07 .08	X
COULTER	315 315	1939 -	M	X X	X	DRILLED WELL	- .100	- X	NONE (V 2.20)	X .03	X
COUNCIL BLUFFS	55,641 56,000	1881 1961	M	X X	A	MISSOURI RIVER	NO LIMIT -	11.000 X	PH-SMO DC CALOS MP SM A FRS DC (V 0.50)	1.50 4.40	X
CRAIG	117 115	1926 -	M	X X	N	DRILLED WELL	- .014	- .006	NONE (V 0.50)	X X	X
CRAWFORDSVILLE	317 315	1956 X	M	X X	N	DRILLED WELLS	- .140	X .015	KC (V 1.40)	X .03	X
CRESCO	3,809 3,810	1932 X	M	X X	X	DRILLED WELLS	- .700	X .185	DC VA	.25 .10	X
CRESTON	7,667 7,665	1956 1957	M	X X	C	IMP RESERVOIR	X -	2.000 X	P-CLA SO FRS VA DC	.73 .50	X
CRYSTAL LAKE	267 265	1947 -	M	X X	N	DRILLED WELL	- X	- X	NONE (V 0.30)	X .01	X
CUMBERLAND	425 425	1943 -	M	X X	X	DRILLED WELLS	- .216	- X	NONE (V 0.30)	X .03	X
CUSHING	261 260	1959 -	M	X X	X	GRAVEL PACKED WELLS	- .110	- X	NONE (V 0.50)	X .04	X
DAKOTA CITY	706 705	1948 1935	M	X X	X	DRILLED WELLS	- .160	.210 X	IH-AM FPS FPZ KP(V 0.50)	X .04	X
DALLAS CENTER	1,083 1,085	1955 1950	M	X X	C	DRILLED & GRAVEL PACKED WELLS	- .200	X X	H-FPZ DH KP (V 0.25)	X .07	X
DANBURY	510 510	1955 -	M	X X	N	DRILLED WELL	- X	- X	NONE (V 0.25)	.03 X	X
DANVILLE	579 580	1960 1959	M	X X	X	DRILLED WELLS	X .140	X X	I-AM FPS AO (V 1.10)	.06 .03	X
* DAVENPORT	88,981 88,980	1872 1956	P	X X	A	MISSISSIPPI RIVER	NO LIMIT -	10.500 X	P-CA TC DC MP SO KP CL S FRS DC VS	5.00 2.00	X
DAVIS CITY	346 345	1948 -	M	X X	N	DRILLED WELL	- .044	- X	NONE (V 2.40)	- .04	X
DAWSON	257 255	1947 -	M	X X	N	GRAVEL PACK WELL	- .144	- X	NONE (V 0.15)	- .02	X
DAYTON	820 820	1952 1953	M	X X	C	DRILLED WELLS	- .756	.576 X	IH-AM FPS FPZ KP(V 2.70)	- .07	X
DECORAH	6,435 6,435	1962 X	M	X X	C	DRILLED WELLS	- X	X X	DC (V 0.20)	- .48	X
DEDHAM	322 320	1955 -	M	X X	N	DRILLED WELLS	- .097	- X	NONE	- .03	X
DEEP RIVER	329 330	1952 1957	M	X X	N	DUG WELL	- .056	X X	I-AO FPA DH (V 0.50)	.04 X	X
DEFIANCE	386 385	1950 1937	M	X X	N	DRILLED WELLS	- .210	X X	I-AM FPS DH (V 0.30)	X .03	X
DELHI	464 465	1959 -	M	X X	N	DRILLED WELL	- .360	- X	NONE (V 0.10)	- .02	X
DELMAR	556 555	1927 1956	M	X X	N	DRILLED WELL	- .100	X X	DH (V 0.90)	.05 .07	X
DELOIT	222 220	1950 -	M	X X	N	DRILLED WELL	- .110	- X	NONE (V 0.25)	X .03	X

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1	2	3	4	5	6	7	8	9	10	11	12
DELTA	514	1957	M	X	N	DRILLED WELL	-	-	NONE (DH AVAILABLE)	.01	X
	515	-		X			X	X	(V 0.25)	-	
DENISON	4.930	1962	M	X	N	DRILLED WELLS	X	2.000	I-AS MB S FRS DC(V 0.30)	.10	X
	4.930	1962		X			2.600	X		.60	
DENVER	831	1931	M	X	N	DRILLED WELLS	-	X	KC (V 0.30)	X	X
	830	1962		X			.018	X		.04	
• DES MOINES	208.982	1910	M	63.203	A	INF GALLERY &	60.000	40.000	M-TC CALS MBP SBCM R FRS	10.00	X
	238.495	1958		62.898		RACCOON RIVER	20.000	27.100	KC DC VS	8.00	
DE SOTO	273	1956	M	X	N	GRAVEL PACKED	-	-	NONE (V 0.20)	.02	X
	275	-		X		WELL	.070	X		X	
DEWITT	3.224	1948	M	X	N	DRILLED WELLS	-	X	DH KP (WELL 5)(V 1.00)	X	X
	3.225	X		X			.080	X		.30	
DEXTER	670	1920	M	X	N	SHALLOW &	-	X	DH (V 2.00)	X	X
	670	X		X		DRILLED WELLS	.187	X		.04	
DIAGONAL	443	1950	M	X	N	GRAVEL PACKED	-	X	I-AS FPS (V 0.30)	X	X
	445	1939		X		WELLS	.175	X		.08	
DIKE	630	1956	M	X	N	DRILLED WELL	-	.050	IH-FPS FPZ DH KP V	X	X
	630	1946		X			.036	X		.03	
DIXON	280	1912	M	X	X	DRILLED WELL	-	-	NONE (V 0.20)	2.00	X
	280	-		X			.110	X		.02	
DOLLIVER	122	1953	M	X	X	DRILLED WELL	-	-	NONE (V 0.35)	.02	X
	120	-		X			.042	X		X	
DONAHUE	133	1959	M	X	N	DRILLED WELL	-	-	NONE (V 0.35)	.01	X
	135	-		X			.040	X		-	
DONNELLSON	709	1963	M	X	N	DRILLED WELLS	-	.070	IH-AT FRS FPZ KP DH	X	X
	710	1952		X			.140	X	(V 3.00)	.06	
DOON	436	1957	M	X	N	DUG WELL &	-	-	NONE (DH AVAILABLE)	X	X
	435	-		X		DRIVEN WELL	.340	X	(V 0.30)	.04	
DOW CITY	531	1947	M	X	N	DRILLED WELLS	-	-	NONE (V 0.30)	X	X
	530	-		X			.202	X		.04	
DOWS	882	1947	M	X	N	DRILLED WELLS	-	X	IH-AM FPS FPZ KP(V 1.60)	X	X
	880	1956		X			.186	X		.05	
DUBUQUE	56.606	1955	M	X	A	4 SHALLOW &	-	10.000	IH-AT DC VS CLAS R FRS	2.70	X
	58.870	1956		14.531		4 DEEP WELLS	18.000	4.270	(V 0.15)	9.35	
DUMONT	719	1947	M	X	N	DRILLED WELL	-	-	NONE (V 0.70)	.03	X
	720	-		X			.430	X		X	
DUNCOMBE	355	1944	M	X	N	DRILLED WELLS	-	-	NONE (V 1.60)	-	X
	355	-		X			.094	X		.03	
DUNKERTON	507	1940	M	X	N	DRILLED WELL	-	-	NONE (V 0.75)	-	X
	505	-		X			.210	X		.05	
DUNLAP	1.254	1954	M	X	N	DRILLED & GRAVEL	-	-	NONE (V 0.25)	X	X
	1.255	-		X		PACKED WELLS	.360	X		.05	
DURANT	1.266	1953	M	X	N	DRILLED WELLS	-	-	NONE (V 0.25)	X	X
	1.265	-		X			.800	X		.07	
DYERSVILLE	2.818	1962	M	X	N	DUG WELL	-	-	NONE (V 0.20)	X	X
	2.820	-		X			1.500	X		.72	
DYSART	1.197	1961	M	X	N	DRILLED WELLS	-	.280	I-AT FPS (V 1.10)	.10	X
	1.195	1950		X			.810	X		.07	
EAGLE GROVE	4.381	1957	M	X	C	GRAVEL PACKED	-	.980	M-AT CAL MTP SM R VS FRS	.09	X
	4.380	1949		X		WELLS	1.570	X	FPZ DC	.40	
EARLHAM	788	1940	M	X	C	DRILLED WELLS	-	X	I-AC FG VA DH	.28	X
	790	1960		X			.140	X		X	
EARLING	431	1956	M	X	N	DUG &	-	X	DH (V 0.40)	X	X
	430	X		X		BORED WELLS	.360	X		.03	
EARLVILLE	668	1960	M	X	N	DRILLED WELLS	-	-	NONE (V 0.28)	.14	X
	670	-		X			.500	X		X	

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1	2	3	4	5	6	7	8	9	10	11	12
EARLY	824 825	1957 X	M	X X	N	SPRINGS	- .450	X X	DH (V 0.40)	.02 .04	X
EAST AMANA	89 90	1954 -	P	X X	N	DRILLED WELL	- .070	- X	NONE (V 0.40)	X .02	X
EDDYVILLE	1,014 1,015	1963 -	M	X X	N	DRILLED WELLS	- .140	- X	NONE (DH AVAILABLE) (V 0.20)	X .03	X
EDGEWOOD	767 765	1959 -	M	X X	N	DRILLED WELLS	- .360	- X	NONE (V 0.35)	X .07	X
ELBERON	211 210	1953 -	M	X X	N	DRILLED WELL	- .080	- X	NONE (V 2.10)	.02 .04	X
ELDON	1,386 1,385	1961 1961	M	X X	N	GRAVEL PACKED WELLS	- .300	.280 X	H-FPZ KP DC (V 2.10)	X .20	X
ELDORA	3,225 3,225	1930 1961	M	X X	N	DRILLED WELLS	- .800	X .140	I-A FRS DH (V 0.40)	.09 .10	X
ELDRIDGE	583 585	1955 1960	M	X X	N	DRILLED WELLS	- .520	X X	DC (DH AVAILABLE) (V 0.50)	X .05	X
ELGIN	644 645	1963 -	M	X X	N	DRILLED WELLS	- 1.190	- X	NONE (V 0.20)	X .05	X
ELKADER	1,526 1,525	1936 -	M	X X	N	DRILLED WELLS	- 1.000	- X	NONE (V 0.40)	.18 .06	X
ELKHART	260 260	1950 -	M	X X	N	DRILLED WELL	- .057	- X	NONE (V 0.40)	X .01	X
ELK HORN	679 680	1955 1956	M	X X	X	BORED WELLS & DRILLED WELL	- .060	X X	IH-AT FPS FPZ KP DH (V 0.40)	X .04	X
ELK RUN HEIGHTS	1,124 1,125	1961 -	M	X X	N	DRILLED WELL	- .240	- X	NONE (V 0.20)	X .05	X
ELLIOTT	459 460	1963 X	M	X X	N	GRAVEL PACKED WELL	- .240	X X	DH (V 0.40)	X .04	X
ELLSWORTH	493 495	1953 1956	M	X X	N	DRILLED WELLS	- .500	.140 X	I-AT FPS DC (V 1.20)	.05 .03	X
ELMA	706 705	1948 X	M	X X	N	DRILLED WELL	X .259	X X	DH (V 0.10)	X .05	X
EMERSON	521 520	1959 -	M	X X	N	GRAVEL PACKED WELL	- X	- X	NONE (V 0.20)	X X	X
EMMETSBURG	3,887 3,885	X X	M	X X	N	DUG WELL & DRILLED WELL	- 1.700	X X	VA DC	X .25	X
EPWORTH	698 700	1913 -	M	X X	N	DRILLED WELL	- .110	- X	NONE (V 0.10)	.04 -	X
ESSEX	767 765	1940 X	M	X X	N	DRILLED & GRAVEL PACKED WELLS	- 1.300	X X	DH (WEST WELL) (V 0.30)	X .08	X
ESTHERVILLE	7,927 7,925	1956 1954	M	X X	C	DRILLED & DUG WELLS	- 5.500	X X	IH-AM FRA FPZ KC DC VA	.14 .90	X
EVANSDALE	5,738 5,740	1953 1959	M	X X	N	DRILLED WELLS	- 1.870	1.152 X	I-DC AO FPS (V 0.55)	X .08	X
EVERLY	668 670	1921 X	M	X X	N	DUG WELL	- X	X X	DH (V 0.20)	X .04	X
EXIRA	1,111 1,110	1939 1948	M	X X	X	DUG & GRAVEL PACKED WELLS	- .260	.200 X	IH-AM FPS FPZ KC DC VA	X .06	X
FAIRBANK	650 650	1963 -	M	X X	N	DRILLED WELL	- .140	- X	NONE (V 0.70)	X .08	X
FAIRFAX	528 530	1960 -	M	X X	N	DRILLED WELL	- .173	- X	NONE (V 0.40)	- .05	X
FAIRFIELD	8,054 8,055	1957 1962	M	X X	X	IMP RESERVOIR & DRILLED WELL	X .600	1.000 X	P-DC TC CLA(MTPS SV) SO FRS VT DC	.50 .65	X
FARLEY	920 920	1894 -	M	X X	X	DRILLED WELL	- .940	- X	NONE (V 0.30)	X .06	X

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STATE IOWA

COMMUNITY OR FACILITY	1960 Population	Year Oper. Started: Present Supply	OWNERSHIP	Number of Services	LAB. CONTROL	SOURCE OF SUPPLY	Safe Yield Impounded MGD	Rated Plant Capacity MGD	TREATMENT	Distrib. Storage MG: Pumped to Mains	IMPROVEMENTS NEEDED
	Estimated Population Served	Present Treatment Plant		Number of Meters			Maximum Dependable Draft (Gnd. water) MGD	Average Plant Output MGD		Gravity to Mains	
1	2	3	4	5	6	7	8	9	10	11	12
FARMERSBURG	250	1939	M	105	X	DRILLED WELL	-	-	NONE (V 0.20)	X	X
	250	-		X			.110	X		.03	
FARMINGTON	902	1957	M	X	N	DRILLED WELLS	-	-	NONE (V 0.30)	X	X
	900	-		X			.400	X		.10	
FARNHAMVILLE	409	1958	M	X	C	DRILLED WELLS	-	.144	H-FPS DH FPZ (V 1.50)	.01	X
	410	1960		X			.300	X		.03	
FARRAGUT	495	1955	M	X	X	GRAVEL PACKED	-	.144	I-AM FPS DH V	X	X
	495	1960		X		WELLS	.320	X		.05	
FAYETTE	1,597	1949	M	X	X	DRILLED WELL	-	X	DH (V 0.30)	.28	X
	1,585	X		X			.460	X		.50	
FENTON	440	1936	M	X	X	DRILLED WELLS	-	X	I-AO FPS DH (V 0.40)	X	X
	440	1958		X			.216	X		.35	
FERGUSON	186	1953	M	X	X	DRILLED WELL	-	-	NONE (V 0.70)	.01	X
	185	-		X			.070	X		-	
FLOYD	401	1948	M	X	X	DRILLED WELL	-	.110	I-AT DC FP (V 0.40)	X	X
	400	1950		X			.085	X		.01	
FONDA	1,026	1939	M	X	X	DRILLED WELLS	-	X	I-AO FPS (V 0.35)	X	X
	1,025	1960		X			.216	X		.09	
FONTANELLE	729	1950	M	X	X	DUG &	-	X	DH AM FPS KC (V 0.40)	X	X
	730	1950		X		DRILLED WELLS	.050	X		.05	
FOREST CITY	2,930	1930	M	X	X	DRILLED WELLS	-	.500	I-AO FPS KC DC (V 0.30)	.07	X
	2,930	1960		X			1.000	X		.15	
FORT ATKINSON	353	1961	M	X	N	DRILLED WELL	-	-	NONE	.01	X
	355	-		X			.252	X		-	
FORT DODGE	28,399	1930	M	8,706	B	5 WELLS	-	6.000	I-AT DC SO FRS (V 0.70)	1.50	X
	29,290	1947		X			11.000	4.130		X	
FORT MADISON	15,247	1917	M	X	A	MISSISSIPPI RIVER	NO LIMIT	2.000	P-CLA TC MB SC FRS DC	1.18	X
	15,245	1940		X			-	X	(V 0.20)	.17	
FOSTORIA	167	1957	M	X	N	DRILLED WELL	-	-	NONE (V 0.40)	.01	X
	165	-		X			.030	X		-	
FREDERICKSBURG	797	1956	M	X	N	DRILLED WELL	-	X	I-AS (V 1.50)	.06	X
	795	1932		X			.216	X		.02	
FREMONT	461	1956	M	X	N	DRILLED WELL	-	-	NONE (V 0.40)	X	X
	460	-		X			.094	X		.03	
GALT	75	1947	M	X	N	DRILLED WELL	-	-	NONE (V 0.20)	X	X
	75	-		X			.033	X		-	
GALVA	469	1957	M	X	X	DRILLED WELL	-	X	DH (V 0.40)	-	X
	470	X		X			.400	X		.05	
GARDEN GROVE	335	1959	M	X	C	DRILLED WELL	-	.060	I-AM FPS (V 2.60)	-	X
	335	1960		X			.072	X		.03	
GARNAVILLO	662	1956	M	X	X	DRILLED WELL	-	-	NONE (V 0.20)	X	X
	660	-		X			.320	X		.05	
GARNER	1,990	1957	M	X	N	DRILLED WELLS	-	X	AT (V 0.50)	X	X
	1,990	X		X			.870	X		.08	
GARRISON	421	1958	M	X	X	DRILLED WELLS	-	X	I-AM FPA DH (V 1.00)	-	X
	420	1960		X			.210	X		.04	
GARWIN	546	1943	M	X	N	DRILLED WELLS	-	X	DH (V 1.00)	X	X
	545	X		X			.280	X		.02	
GENEVA	219	1950	M	X	X	DRILLED WELL	-	X	I-AT FPS DH KP (V 0.30)	X	X
	220	1956		X			.070	X		.01	
GEORGE	1,200	1955	M	X	X	SHALLOW WELLS	-	X	DH (DUG WELL)(V 0.60)	X	X
	1,200	X		X			.480	X		.05	
GILBERT	318	1929	M	X	N	DRILLED WELL	-	.170	I-AO FPA KF DH (V 0.50)	.03	X
	320	1956		X			.144	X		X	
GILBERTVILLE	533	1957	M	X	X	DRILLED WELLS	-	-	NONE (V 0.40)	-	X
	535	-		X			.430	X		.03	

INVENTORY OF MUNICIPAL WATER FACILITIES

STATE IOWA

COMMUNITY OR FACILITY 1	1960 Population Estimated Population Served 2	Year Oper. Started Present Supply Present Treatment Plant 3	OWNERSHIP 4	Number of Services Number of Meters 5	LAB. CONTROL 6	SOURCE OF SUPPLY 7	Safe Yield Impounded MGD Maximum Dependable Draft (Grd. water) MGD 8	Rated Plant Capacity MGD Average Plant Output MGD 9	TREATMENT 10	Distrib. Storage MG Pumped to Mains Gravity to Mains 11	IMPROVEMENTS NEEDED 12
GILMAN	491 490	1952 -	M	X X	X	GRAVEL PACKED & SANDPOINT WELLS	- .210	- X	NONE (V 0.40)	.02 .05	X
GILMORE CITY	688 690	1957 X	M	X X	X	DRILLED WELLS	- .800	X X	DH (V 0.30)	- .07	X
GLADBROOK	949 950	1961 1941	M	X X	X	DEEP WELLS	- .500	.110 X	I-AO FPS (V 0.20)	X .06	X
GLENWOOD	4,783 4,785	1930 1961	M	X X	C	KEG CREEK	X -	.700 X	P-AT DC CLA TC SO MPB FRS DC VA	1.50 .75	X
GLIDDEN	993 995	1958 1941	M	X X	N	DRILLED WELLS	- .430	.144 X	H-FPZ KP V	- .05	X
GOLDFIELD	682 680	1957 1942	M	X X	N	DRILLED WELLS	- .400	.200 X	H-FPZ KP DH (V 0.30)	- .04	X
GOODELL	231 230	1941 -	M	X X	N	DRILLED WELL	- .036	- X	NONE (V 0.20)	.02 X	X
GOOSE LAKE	191 190	1911 -	M	X X	N	DRILLED WELL	- .031	- X	NONE (V 0.40)	- .02	X
GOWRIE	1,127 1,125	1962 1955	M	X X	N	DRILLED WELLS	- .800	.430 X	I-AMO FPS DH (V 2.10)	X .04	X
GRAETTINGER	879 880	1950 X	M	X X	X	DUG & DRILLED WELLS	- .400	X X	DC (V 0.30)	- .04	X
GRAFTON	273 275	1938 1947	M	X X	X	DRILLED WELL	- .110	X X	I-AO FPS AT (V 0.30)	X .03	X
GRAND JUNCTION	949 950	1950 1962	M	X X	X	DRILLED WELLS	- .860	.280 X	IH-AM FPS FPZ KP DH (V 1.00)	- .04	X
GRAND MOUND	565 565	1963 -	M	X X	X	DRILLED WELL	- .300	- X	NONE (V 0.15)	X .06	X
GRANGER	468 470	1955 1939	M	X X	N	DRILLED WELL	- .035	X X	I-AO FPS (V 0.30)	X .04	X
GRANVILLE	381 380	1960 -	M	X X	N	DRILLED WELL	- .150	- X	NONE (V 1.00)	- .05	X
GRAY	162 160	1953 X	M	X X	N	BORED WELLS	- .013	X X	DH (V 0.40)	X .02	X
GREENE	1,427 1,425	1949 -	M	X X	N	DRILLED WELL	- .360	- X	NONE (DC AVAILABLE) (V 0.20)	X .15	X
GREENFIELD	2,243 2,245	1954 1961	M	X X	C	NODAWAY LAKE & WELL	90.000 .120	.260 X	P-AM CAL MP S CAL TC MB S FRS DC (V 0.30)	.19 .08	X
GRIMES	697 695	1960 -	M	X X	N	SHALLOW & GRAVEL PACKED WELLS	- .530	- X	NONE (V 0.25)	X .05	X
GRINNELL	7,367 7,365	1955 1957	M	X X	C	DEEP WELLS	- 3.600	1.700 X	IH-AT FPZ KP DC (V 1.60)	1.00 .06	X
GRISWOLD	1,207 1,205	1959 -	M	X X	X	GRAVEL PACKED & KELLEY WELLS	- .360	- X	NONE (V 0.30) ID-AM FPS DC(STANDBY)	- .07	X
GRUNDY CENTER	2,403 2,405	1961 1962	M	X X	X	DRILLED WELLS	- 1.200	.650 X	I-AC FPS DC (V 1.50)	.01 .06	X
GRUVER	140 140	1955 -	M	X X	X	DRILLED WELL	- .120	- X	NONE (V 0.40)	.01 X	X
GUTHRIE CENTER	2,071 2,070	1929 1934	M	X X	X	GRAVEL PACKED WELLS	- .869	.350 X	I-AT CL MTP S FRA DC VA	.34 .10	X
GUTTENBERG	2,087 2,085	1939 1953	M	X X	X	DRILLED WELLS	- .640	.350 .090	H-CLA MPS S R FRS (V 0.20)	.05 .11	X
HALBUR	214 215	1952 -	M	X X	N	DUG WELLS	- .080	- X	NONE (V 0.35)	- .02	X
HAMBURG	1,647 1,645	1961 1958	M	X X	X	GRAVEL PACKED & KELLEY WELL	- .792	.288 X	H-AC CLA (MTPS SV)R FRS DH (V 0.30)	- .27	X
HAMPTON	4,501 4,500	1952 -	M	X X	N	DRILLED WELLS	- 1.680	- X	NONE (V 1.00)	.05 .60	X

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COMMUNITY OR FACILITY	1960 Population	Year Oper. Started: Present Supply	OWNERSHIP	Number of Services	LAB. CONTROL	SOURCE OF SUPPLY	Safe Yield Impounded MGD	Rated Plant Capacity MGD	TREATMENT	Distrib. Storage MG: Pumped to Mains	IMPROVEMENTS NEEDED
	Estimated Population Served	Present Treatment Plant		Number of Meters			Maximum Dependable Draft (Grd. water) MGD	Average Plant Output MGD		Gravity to Mains	
1	2	3	4	5	6	7	8	9	10	11	12
HANCOCK	252 250	1945 -	M	X X	N	DRILLED WELL	- .070	- X	NONE	- .04	X
HANSELL	168 170	1959 -	M	X X	N	DRILLED WELL	X .050	- X	NONE (V 2.30)	.01 -	X
HARCOURT	268 270	1955 1959	M	X X	X	DRILLED WELL	- .086	.072 X	I-AO FPS (V 2.50)	- .03	X
HARDY	110 110	1930 -	M	X X	N	DRILLED WELL	- X	- X	NONE (V 0.35)	.01 -	X
HARLAN	4,350 4,350	1959 1950	M	X X	C	DRILLED WELLS	- 1.500	1.000 X	H-AT CLAS(MTPS SV)R FRS DC KC	.45 .63	X
HARPER	177 175	1956 -	M	X X	X	DRILLED WELL	- .043	- X	NONE (V 1.20)	.01 -	X
HARRIS	258 260	1960 -	M	95 X	X	DRILLED WELL	- .030	- X	NONE (V 0.80)	.05 -	X
HARTFORD	271 270	1956 -	M	X X	N	DRILLED WELL	- .050	- X	NONE (V 0.45)	.02 X	X
HARTLEY	1,738 1,740	1960 1955	M	X X	X	GRAVEL PACKED WELLS	- .432	X X	I-AT FPS DC VA	.14 .05	X
HARTWICK	126 125	1956 1957	M	X X	N	DRILLED WELL	- .043	.100 X	I-AC FPA DH (V 0.80)	.01 -	X
HAVELOCK	289 290	1938 -	M	X X	X	DRILLED WELLS	- .133	- X	NONE (V 0.50)	- .05	U
HAWARDEN	2,544 2,545	1960 -	M	X X	X	GRAVEL PACKED & DUG WELLS	- 1.360	- X	NONE (V 0.30)	- .10	X
HAWKEYE	516 515	1948 -	M	X X	N	DRILLED WELL	- 1.152	- X	NONE (V 0.20)	X .01	X
HAZLETON	665 665	1953 -	M	X X	N	DRILLED WELL	- .086	- X	NONE (V 0.10)	- .03	X
HEDRICK	762 760	1948 1952	M	X X	N	DRILLED WELLS	- .140	.115 X	IH-AM FPS FPZ KP DH AT (V 1.30)	X .06	X
HIAWATHA	1,336 1,335	1953 -	M	X X	N	DRILLED WELLS	- .320	- X	NONE (V 0.10)	.06 -	X
HIGH AMA'	200 200	1927 -	P	X X	N	SANDPOINT WELLS	- .046	- X	NONE (V 0.25)	- .01	X
HINTON	403 405	1956 X	M	X X	X	DRILLED & DRIVEN /STANDBY/ WELLS	- .258	X X	DH (V 0.35)	.06 -	X
HOLLAND	264 265	1953 -	M	X X	N	DRILLED WELL	- .100	- X	NONE (V 1.30)	.01 -	X
HOLMES	60 60	1946 X	P	X X	N	DEEP WELL	- .050	X X	I-FPS (V 0.25)	.01 -	X
HOLSTEIN	1,413 1,415	1952 -	M	X X	N	DRILLED WELLS	- .700	- X	NONE (V 0.80)	.23 .08	T
HOLY CROSS	157 155	1937 X	M	X X	N	DRILLED WELL	- .009	X X	DH (V 0.20)	- .01	X
HOMESTEAD	200 200	1953 -	P	X X	N	DRILLED WELL	- .259	- X	NONE (V 0.30)	- .04	X
HOPKINTON	768 770	1960 X	M	X X	N	DRILLED WELLS	- .360	X X	DH (V 0.15)	- .05	X
HORNICK	275 275	1951 1952	M	X X	N	DRILLED WELLS	- .144	.070 X	I-DH AO FPS AT (V 0.50)	X .05	X
HOSPERS	600 600	1961 -	M	X X	N	GRAVEL PACKED WELLS	- .288	- X	NONE (V 0.50)	- .05	X
HUBBARD	806 805	1945 -	M	X X	N	DRILLED WELLS	- .240	- X	NONE (V 1.00)	- .09	X
HUDSON	1,085 1,085	1956 -	M	X X	N	GRAVEL PACKED & DRILLED WELLS	- .216	- X	NONE (V 0.20)	- .04	X

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STATE IOWA

COMMUNITY OR FACILITY	1960 Population Estimated Population Served	Year Oper. Started Present Supply Present Treatment Plant	OWNERSHIP	Number of Services Number of Meters	LAB. CONTROL	SOURCE OF SUPPLY	Safe Yield Impounded MGD Maximum Dependable Draft (Grd. water) MGD	Rated Plant Capacity MGD Average Plant Output MGD	TREATMENT	Distrib. Storage MG Pumped to Mains Gravity to Mains	IMPROVEMENTS NEEDED
1	2	3	4	5	6	7	8	9	10	11	12
HULL	1,289	1959	M	X	N	DRILLED WELLS	-	.216	I-AT FPS DH (V 0.50)	.04	X
	1,290	1959		X			.468	X		.06	
HUMBOLDT	4,031	1933	M	X	X	SPRINGS	-	1.080	H-AS (MTPS SV)CLOS R FRS	.14	X
	4,030	1950		X			1.870	X	(V 0.20)	.62	
HUMESTON	638	1936	M	X	C	IMP RESERVOIR	90.000	.432	P-AT CLA DC TC MTB S	.04	X
	640	1959		X			-	X	FRS DC KC (V 0.20)	.07	
HUXLEY	486	1948	M	X	N	DRILLED WELLS	-	-	NONE (V 0.90)	X	X
	485	-		X			.230	X		.04	
IDA GROVE	2,265	1959	M	790	N	DRILLED WELLS	-	X	DC (V 0.30)	-	X
	2,265	X		X			.590	X		.25	
INDEPENDENCE	5,498	1949	M	X	N	DRILLED WELLS	-	X	DC (WELL 4)(V 0.20)	-	X
	5,500	X		X			3.210	X		.30	
INDIANOLA	7,062	1955	M	X	C	GRAVEL PACKED &	-	1.080	I-AS CL M SM R FRS DC	.75	X
	7,060	1956		X		DRILLED WELLS	1.290	X	(V 1.80)	.40	
INWOOD	638	1955	M	X	N	DRILLED WELLS	-	X	I-AT FPS DH (V 0.70)	.06	X
	640	1961		X			.144	X		.05	
IONIA	265	1950	M	X	N	DRILLED WELL	-	-	NONE (V 0.80)	-	X
	265	-		X			.360	X		.01	
• IOWA CITY	33,443	1961	M	X	C	IOWA RIVER &	6.500	4.000	P-DC CLA TC MB SC FRS DC	1.54	N
	33,445	1956		X		DRILLED WELL	2.160	X	VS	.19	
IOWA FALLS	5,565	1957	M	X	X	DRILLED WELLS	-	.922	I-AO FPS AT (V 0.30)	.10	X
	5,565	1961		X			2.450	X	(KP AVAILABLE)	.40	
IRETON	510	1946	M	X	X	DRILLED WELLS	-	.216	I-AT FPS DH (V 0.60)	-	X
	510	1955		X			.288	X		.04	
IRWIN	425	1956	M	X	X	GRAVEL PACKED	-	.085	IH-AM CAS SB FRS FPZ	-	X
	425	1959		X		WELL	.187	X	DH KP (V 0.30)	.04	
JAMAICA	256	1953	M	X	X	DRILLED WELLS	-	.072	I-AT FPS DH (V 0.40)	-	X
	255	1953		X			.158	X		.02	
JANESVILLE	648	1928	M	X	X	DRILLED WELL	-	-	NONE (V 0.20)	-	X
	650	-		X			.173	X		.03	
JEFFERSON	4,570	1952	M	X	C	DRILLED WELLS	-	1.500	IH-CLAS M S FPS DC R AO	.26	X
	4,570	1959		X			1.580	X	KC VS	.08	
JESUP	1,488	1900	M	X	N	DRILLED WELLS	-	-	NONE (V 0.50)	-	X
	1,490	-		X			.720	X		.07	
JEWELL	1,113	1951	M	X	C	GRAVEL PACKED	-	.220	IH-FPS FPZ DH KP(V 0.40)	-	X
	1,115	1960		X		WELLS	.864	X		.08	
KALONA	1,235	1963	M	X	X	DRILLED WELLS	-	.173	I-DH AT FPA (V 0.30)	-	X
	1,235	1956		X			.173	X		.05	
KAMRAR	268	1911	M	X	N	DRILLED WELL	-	-	NONE (V 0.50)	-	X
	270	-		X			.360	X		.03	
KANAWHA	735	1959	M	X	X	DRILLED WELLS	-	.140	I-AO FPS AT DC (V 0,20)	-	X
	735	1951		X			.140	X		.04	
KELLERTON	341	1958	M	X	C	DRILLED WELLS	-	.072	I-AM FPS DH (V 0.40)	-	X
	340	X		X			.043	X		.05	
KELLEY	239	1940	M	X	N	DRILLED WELL	-	-	NONE (V 0.50)	-	X
	240	-		X			.230	X		.02	
KELLOGG	623	1954	M	X	N	GRAVEL PACKED &	-	X	DH (V 0.30)	-	X
	625	X		X		SHALLOW WELLS	.216	X		.10	
KENSETT	409	1956	M	X	N	DRILLED WELLS	-	X	DH (V 0.30)	-	X
	410	X		X			.302	X		.04	
KEOKUK	16,316	1900	M	X	C	MISSISSIPPI RIVER	NO LIMIT	9.500	PH-CAL TC SCM R FRSQ DC	.25	X
	16,315	1963		X			-	3.000	VS	2.00	
KEOSAUQUA	1,023	1954	M	X	X	DRILLED WELL	-	.288	I-AM FPS DC (V 2.10)	-	X
	1,025	1960		X			.403	X		.07	
KEOTA	1,096	1959	M	X	N	DRILLED WELLS	-	.432	H-FPZ (V 0.30)	-	X
	1,095	1961		X			.720	X		.08	

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STATE IOWA

COMMUNITY OR FACILITY	1960 Population Estimated Population Served	Year Oper. Started: Present Supply Present Treatment Plant	OWNERSHIP	Number of Services Number of Meters	LAB. CONTROL	SOURCE OF SUPPLY	Safe Yield Impounded MGD Maximum Dependable Draft (Grd. water) MGD	Rated Plant Capacity MGD Average Plant Output MGD	TREATMENT	Distrib. Storage MG: Pumped to Mains Gravity to Mains	IMPROVEMENTS NEEDED
1	2	3	4	5	6	7	8	9	10	11	12
KESWICK	265 265	1956 -	M	X X	N	DRILLED WELLS	- .093	- X	NONE (V 0.40)	.01 -	X
KEYSTONE	522 520	1921 1954	M	X X	X	DRILLED WELL	- .100	.110 X	IH-AO FPS FPZ KP DH (V 1.60)	- .04	X
KIMBALLTON	380 380	1956 1959	M	X X	X	GRAVEL PACKED & SANDPOINT WELLS	- .144	.216 X	IH-AC FRS FPZ DH(V 0.30)	.02 .03	X
KINGSLEY	1,044 1,045	1956 -	M	X X	N	DUG & DRILLED WELLS	- .035	- X	NONE (V 0.35)	- .20	X
KIRKMAN	92 90	1952 X	M	X X	N	DRILLED WELL	- .050	X X	DH (V 0.35)	.01 -	X
KIRON	271 270	1954 X	M	X X	N	DUG & DRILLED WELLS	- .173	X X	DH (V 0.30)	- .03	X
KLEMME	615 615	1959 -	M	X X	N	DRILLED WELLS	- .173	- X	NONE (V 1.10)	.02 -	X
KNOXVILLE	7,817 7,815	1958 1954	M	X X	X	GRAVEL PACKED WELLS	- 3.890	X X	DC KC (V 0.30)	2.50 .25	X
LACONA	396 395	1956 1958	M	X X	X	DRILLED WELL	- .070	.070 X	I-AT FPS DH (V 0.20)	- .03	X
LADORA	307 305	1952 -	M	X X	N	DRILLED WELL	- .216	- X	NONE (V 0.50)	- .05	X
LAKE CITY	2,114 2,115	1938 1954	M	X X	N	GRAVEL PACKED & DRILLED WELLS	- 1.008	.360 X	I-ATO FPA (V 0.35)	- .15	X
LAKE MILLS	1,758 1,760	1960 1959	M	X X	N	DRILLED WELLS	- .856	1.000 X	I-AO FPS AT (V 1.20) I-AM FPS DC KC (V 1.20)	- .25	X
LAKE PARK	952 950	1931 1961	M	X X	X	SILVER LAKE	2200.000 -	.115 X	H-FPS FPZ DC (V 0.50)	.05 .06	X
LAKESIDE	306 (305)	1956 -	M	X X	N	STORM LAKE	- -	- -	STORM LAKE	- -	-
LAKE VIEW	1,165 1,165	1956 1956	M	X X	N	DUG WELLS	- .504	X X	DC VA	- .04	X
LAKOTA	459 460	1947 1959	M	X X	X	DRILLED WELLS	- .504	.144 X	I-AM FPS V	.05 .05	X
LAMBS GROVE	234 (235)	1955 -	M	X X	N	NEWTON	- -	- -	NEWTON	- -	-
LAMONI	2,173 2,175	1957 1956	M	X X	C	LAKE LA SHANE & HOME POND	246.000 -	.547 X	P-CLA TC MT S FRS DC V	.05 .25	X
LAMONT	554 555	1954 -	M	X X	N	DRILLED WELL	- .173	- X	NONE (V 0.35)	- .03	X
LA MOTTE	323 325	1959 -	M	X X	N	DRILLED WELLS	- .144	- X	NONE (V 0.60)	- .03	X
LANESBORO	258 260	1954 1945	M	X X	N	GRAVEL PACKED WELLS	- .144	.072 X	I-AMO FPS (V 0.25)	- .03	X
LANSING	1,325 1,325	1945 X	M	X X	N	DRILLED WELL	- .360	X X	DH (V 0.20)	.05 .15	X
LA PORTE CITY	1,953 1,955	1961 1961	M	X X	N	DRILLED WELLS	- .648	.374 X	I-AO FPS (V 1.05)	- .04	X
LARCHWOOD	531 530	1957 -	M	X X	N	DRILLED WELLS	- .216	- X	NONE (V 1.10)	- .04	X
LARRABEE	167 165	1961 -	M	X X	N	DRILLED WELLS	- .288	- X	NONE (V)	- .02	X
LATIMER	445 445	1949 1961	M	X X	X	DRILLED WELLS	- .288	.180 X	I-AC FPA DC V	.01 -	X
LAUREL	223 225	1949 1951	M	X X	N	DRILLED WELL	- .036	.015 X	IH-A S CLS M FRS(V 0.50)	.02 -	X
LAURENS	1,799 1,800	1962 1962	M	X X	X	DRILLED WELL	- .403	.432 X	IH-AO FPA FPZ KP(V 0.40)	- .07	X

INVENTORY OF MUNICIPAL WATER FACILITIES

STATE IOWA

COMMUNITY OR FACILITY	1960 Population	Year Oper. Started: Present Supply	OWNERSHIP	Number of Services	LAB. CONTROL	SOURCE OF SUPPLY	Safe Yield Impounded MGD	Rated Plant Capacity MGD	TREATMENT	Distrib. Storage MG: Pumped to Mains	IMPROVEMENTS NEEDED
	Estimated Population Served	Present Treatment Plant		Number of Meters			Maximum Dependable Draft (Grd. water) MGD	Average Plant Output MGD		Gravity to Mains	
1	2	3	4	5	6	7	8	9	10	11	12
LAWLER	532	1940	M	X	N	DRILLED WELL	-	-	NONE (V 0.80)	-	X
	530	-		X			.216	X		.09	
LAWTON	324	1959	M	X	N	DRILLED WELLS	-	-	NONE (V 0.50)	-	X
	325	-		X			.113	X		.03	
LE CLAIRE	1,546	1960	M	X	N	DRILLED WELL	-	X	DH (V 0.25)	-	X
	1,545	X		X			.418	X		.09	
LEDYARD	289	1941	M	X	N	DRILLED WELL	-	-	NONE (V 0.40)	.01	X
	290	-		X			.576	X		-	
LE GRAND	465	1950	M	X	N	DRILLED WELLS	-	-	NONE (V 0.20)	.02	X
	465	-		X			.158	X		-	
LEHIGH	846	1937	M	X	C	DRILLED WELLS	-	.070	I-AM FPA DH KP (V 2.40)	.02	X
	845	1959		X			.115	X		.06	
LEIGHTON	167	1956	M	X	N	DRILLED WELL	-	-	NONE (V 0.30)	.01	X
	165	-		X			.028	X		-	
LE MARS	6,767	1954	P	X	N	GRAVEL PACKED &	-	X	DC (V 0.40)	.33	X
	6,765	X		X		DRILLED WELLS	3.024	X		.30	
LENOX	1,178	1922	M	X	C	LENOX LAKE &	116.000	.216	P-CLA TC MPT SO FRS DC	-	X
	1,180	1956		X		DRILLED WELLS	X	X	(V 0.10)	.06	
LEON	2,004	1956	M	X	N	DEEP WELLS	-	X	DC (V 3.00)	.06	X
	2,005	X		X			.432	X		.07	
LESTER	239	1931	M	X	N	DUG WELL	-	-	NONE	-	X
	240	-		X			.086	X	(DH AVAILABLE)(V 0.40)	.03	
LEWIS	501	1891	M	X	N	DUG WELLS	-	X	DH (V 0.30)	-	X
	500	X		X			.050	X		.04	
LIBERTYVILLE	368	1958	M	X	N	DRILLED WELL	-	.144	I-AM FPS (V 0.40)	.02	X
	370	1959		X			.070	X		-	
LIDDERDALE	201	1960	M	64	N	DRILLED WELLS	-	.036	I-AC FPA (V 0.35)	.01	X
	200	1950		63			.072	.004		-	
LIME SPRINGS	581	1943	M	X	N	DRILLED WELL	-	-	NONE	.01	X
	580	-		X			.500	X	(DH AVAILABLE) (V 0.50)	.04	
LINCOLN	183	1962	M	X	N	DRILLED WELLS	-	.115	I-AC FPA DH (V 1.00)	.01	X
	185	1962		X			.070	X		.01	
LINDEN	258	1954	M	X	N	DRILLED WELLS	-	-	NONE (V 5.50)	-	X
	260	-		X			.070	X		.01	
LINEVILLE	452	1955	M	X	N	DRILLED WELL	-	-	NONE (V 3.00)	-	X
	450	-		X			.105	X		.01	
LINN GROVE	330	1949	M	X	N	GRAVEL PACKED	-	X	DH (V 0.30)	-	X
	330	X		X		WELL	.115	X		.04	
LISBON	1,227	1932	M	X	N	DRILLED WELL	-	-	NONE (V 0.30)	-	X
	1,225	-		X			.173	X		.08	
LISCOMB	295	1951	M	X	N	DRILLED WELL	-	X	DH (V 0.40)	-	X
	295	X		X			.036	X		.02	
LITTLE ROCK	564	1945	M	X	N	DUG WELL	-	X	DH KC (V 0.20)	-	X
	565	1959		X			.187	X		.03	
LIVERMORE	545	1944	M	X	N	DRILLED WELL	-	.202	I-AM FPS (V 0.40)	-	X
	545	1936		X			.150	X		.12	
LOCKRIDGE	206	1959	M	X	X	DRILLED WELL	-	X	AC (V 1.60)	.01	X
	205	1960		X			.029	X		-	
LOGAN	1,605	1962	M	X	N	DRILLED WELL	-	.540	I-AC FRS DC (V 0.30)	.25	X
	1,605	1962		X			1.108	X		.13	
LOHRVILLE	653	1959	M	X	C	DRILLED WELLS	-	.288	H-CLAS MPS SO R FPS DH	.05	X
	655	1948		X			.504	X	(V 0.60)	.05	
LONE ROCK	185	1922	M	X	N	DRILLED WELLS	-	.070	I-AC FPA DH (V 0.40)	.01	X
	185	1962		X			.504	X		-	
LONE TREE	717	1959	M	X	N	DRILLED WELL	-	X	(DO BATCH) (V 0.20)	.06	X
	715	X		X			.115	X		-	

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STATE IOWA

COMMUNITY OR FACILITY	1960 Population Estimated Population Served	Year Oper. Started Present Supply Present Treatment Plant	OWNERSHIP	Number of Services Number of Meters	LAB. CONTROL	SOURCE OF SUPPLY	Safe Yield Impounded MGD Maximum Dependable Draft (Grd. water) MGD	Rated Plant Capacity MGD Average Plant Output MGD	TREATMENT	Distrib. Storage MG Pumped to Mains Gravity to Mains	IMPROVEMENTS NEEDED
1	2	3	4	5	6	7	8	9	10	11	12
LOST NATION	567 565	1912 -	M	X X	N	DRILLED WELL	- .180	- X	NONE (V 0.20)	.01 -	X
LOVILIA	630 630	1957 1957	M	X X	N	DRILLED WELL	- .070	.043 X	I-AC FPS (DC KC) (V 0.35)	.01 .05	X
LOWDEN	641 640	1932 1915	M	X X	N	DRILLED WELL	- .288	X X	AT (V 1.00)	- .04	X
LOW MOOR	343 345	1959 -	M	X X	N	DRILLED WELLS	- .244	- X	NONE (V 0.20)	- .03	X
LUANA	276 275	1941 -	M	X X	N	DRILLED WELL	- .070	- X	NONE (V 0.20)	.01 -	X
LUTHER	147 145	1931 X	M	X X	N	GRAVEL PACKED WELL	- .173	X X	DH (V 0.60)	- .03	X
LUVERNE	468 470	1916 1936	M	X X	N	DRILLED WELL	- .245	.144 X	I-AO FPS (V 0.25)	X .04	X
LYNNVILLE	411 410	1950 -	M	X X	N	DRILLED WELL	- .064	- X	NONE (V 1.00)	- .05	X
LYTTON	376 375	1956 -	M	X X	N	DRILLED WELLS	- .634	- X	NONE (DH AVAILABLE) (V 1.50)	- .04	X
MC CALLSBURG	272 270	1951 1955	M	X X	N	DRILLED WELL	- .043	.070 X	I-AO FPS V	.01 -	X
MC GREGOR	1,040 1,040	1952 -	M	X X	N	DRILLED WELLS	- .864	- X	NONE (V 0.10)	- .33	X
MACEDONIA	290 290	1954 -	M	X X	N	GRAVEL PACKED WELLS	- .100	- X	NONE (V 0.40)	- .03	X
MADRID	2,286 2,285	1957 X	M	X X	C	GRVL PACKED WELLS DES MOINES RIVER	X 1.000	X X	DC (V 1.10)	.15 .05	X
MALCOM	416 415	1958 1956	M	X X	N	DRILLED WELL	- .028	.028 X	I-AC FPS DH (V 0.40)	.01 .03	X
MALLARD	431 430	1947 1951	M	X X	N	DRILLED WELLS	- .202	.144 X	I-AO FPS (V 0.45)	- .05	X
MALVERN	1,193 1,195	1956 1952	M	X X	N	GRAVEL PACKED WELLS	- .331	.288 X	I-AT FRS DH (2 PLANTS) (V 0.30)	- .07	X
MANCHESTER	4,402 4,400	1948 X	M	X X	N	DRILLED WELLS	- 1.580	X X	VT	- .37	X
MANILLA	939 940	1932 -	M	X X	N	GRAVEL PACKED & DRILLED WELLS	- .288	- X	NONE (V 0.40)	.08 .09	X
MANLY	1,425 1,425	1956 1937	M	X X	N	DRILLED WELLS	- 1.000	.144 X	I-AC FPS (V 0.30)	- .07	X
MANNING	1,676 1,675	1961 X	M	X X	N	GRAVEL PACKED & DUG WELLS	- .590	X X	DC (V 0.30)	.12 .06	X
MANSON	1,789 1,790	1928 -	M	X X	N	DRILLED WELLS	- 1.296	- X	NONE (V 4.00)	.10 -	X
MAPLETON	1,686 1,685	1954 -	M	X X	N	DRILLED WELLS	- .634	- X	NONE (V 0.30)	X .08	X
MAQUOKETA	5,909 5,910	1962 X	M	X X	N	GRAVEL PACKED WELLS	- 2.450	X X	DC (V 0.40)	- .25	X
MARATHON	516 515	1962 1946	M	X X	N	DRILLED WELL	- .288	.108 X	I-AM FPS (V 0.30)	- .05	X
MARBLE ROCK	442 440	1905 -	M	X X	N	DRILLED WELLS	- .115	- X	NONE (V 0.20)	- .04	X
MARCUS	1,307 1,305	1948 1956	M	X X	N	DRILLED WELLS	- .580	.288 .095	I-AM FPS DH (V 1.20)	- .04	X
MARENGO	2,264 2,265	1959 -	M	X X	N	KELLEY & GRAVEL PACKED WELLS	- 1.440	- X	NONE (DH AVAILABLE) (V 0.20)	- .07	X
MARION	10,882 10,880	1958 1961	M	X X	N	DEEP WELLS	- 1.440	1.296 X	I-AT FPA DH (V 0.40)	.40 .57	X

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STATE IOWA

COMMUNITY OR FACILITY 1	1960 Population Estimated Population Served 2	Year Oper. Started: Present Supply Present Treatment Plant 3	OWNERSHIP 4	Number of Services Number of Meters 5	LAB. CONTROL 6	SOURCE OF SUPPLY 7	Safe Yield Impounded MGD Maximum Dependable Draft (Grd. water) MGD 8	Rated Plant Capacity MGD Average Plant Output MGD 9	TREATMENT 10	Distrib. Storage MG: Pumped to Mains Gravity to Mains 11	IMPROVEMENTS NEEDED 12
MARNE	205 205	1960 -	M	X X	N	GRAVEL PACKED WELLS	- .108	- X	NONE (V 0.30)	.01 .02	X
MARQUETTE	572 570	1951 -	M	X X	N	DRILLED WELL	- .360	- X	NONE (V 0.25)	.06 -	X
MARSHALLTOWN	22,521 22,520	1924 1938	M	X X	C	DRILLED WELLS	- 4.750	3.500 X	H-AT CL M SH R S R FRS DC NG VS	2.50 1.40	X
MARTELLE	247 245	1935 -	M	X X	N	DRILLED WELL	- .080	- X	NONE (V 0.20)	- .04	X
MARTENSDALE	316 315	1955 1962	M	X X	N	GRAVEL PACKED WELLS	- .070	.070 X	I-AC FPS DH (V 0.30)	- .05	X
MASON CITY	30,642 34,000	1960 1960	M	9,607 9,607	9	7 WELLS	- 9.000	9.000 3.800	DC (V 0.60)	5.50 2.00	D
MASSENA	456 455	1956 1956	M	X X	N	DRILLED WELLS	- .072	.085 X	I-AM DC FPS KP (V 0,35)	- .04	X
MATLOCK	103 105	1959 -	M	X X	N	BORED WELL	- .036	- X	NONE (V)	.01 -	X
MAURICE	237 235	1939 -	M	X X	N	DRILLED WELL	- .144	- X	NONE (V 0.50)	- .05	X
MAXWELL	773 775	1948 X	M	X X	N	DEEP WELL	- .302	X X	DH (V 1.00)	X .04	X
MAYNARD	515 515	1957 X	M	X X	N	DRILLED WELL	- .108	X X	DH (V 0.60)	- .04	X
MAYSVILLE	126 125	1955 -	M	X X	N	DRILLED WELL	- .158	- X	NONE (V 0.40)	.01 -	X
MECHANICSVILLE	1,010 1,010	1962 -	M	X X	N	DRILLED WELLS	- .330	- X	NONE (V 0.20)	- .07	X
MEDIAPOLIS	1,040 1,040	1954 X	M	X X	N	DRILLED WELL	- .317	X X	DH KC (V 0.50)	- .03	X
MELBOURNE	517 515	1938 1939	M	X X	N	DRILLED WELL	- .086	.070 X	I-AC FPS DH (V 1.70)	- .04	X
MELCHER	867 865	1960 X	M	X X	N	DRILLED WELL	- .576	.504 X	I-AT FPZ KP DH (V 0.30)	- .06	X
MELVIN	364 365	1958 -	M	X X	N	WELL	- .144	- X	NONE (V 0.50)	- .04	X
MENLO	421 420	1956 1962	M	X X	N	DUG & DRILLED WELLS	- .086	.576 X	IH-FPZ FPZ (V 0.50)	- .05	X
MERIDEN	192 190	1956 -	M	X X	N	DRILLED WELL	- .100	- X	NONE (V 1.10)	.01 -	X
MERRILL	645 645	1960 -	M	X X	N	KELLEY WELL	- .358	- X	NONE (V 0.40)	- .13	X
MESERVEY	331 330	1958 -	M	X X	N	DRILLED WELL	- .187	- X	NONE (V 1.50)	- .05	X
MIDDLE AMANA	267 265	1958 -	P	X X	N	DRILLED WELLS	- .109	- X	NONE (V 0.35)	- .03	X
MIDDLETOWN	245 (245)	1947 -	M	X X	N	IOWA ORDNANCE PLANT	- -	- -	IOWA ORDNANCE PLANT	- -	-
MILES	376 375	1956 1961	M	X X	N	SHALLOW WELLS	- .215	.070 X	IH-AC FPA FPZ DH(V 0.40)	- .04	X
* MILFORD	1,476 1,475	X X	M	X X	N	WEST OKOBOJI LAKE	X -	X X	DC (V 0.25)	- .05	X
MILO	468 470	1958 -	M	X X	N	2 WELLS	- .043	- .010	NONE (V 0.40)	- .03	X
MILTON	609 610	1961 -	M	X X	N	WELL	- .070	- X	NONE (V 0.40)	- .05	X
MINBURN	357 355	1956 1962	M	X X	N	DRILLED WELL	- .050	.058 X	I-AC DH FCP (V 0.50)	- .03	X

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STATE IOWA

COMMUNITY OR FACILITY	1960 Population Estimated Population Served	Year Oper. Started: Present Supply Present Treatment Plant	OWNERSHIP	Number of Services Number of Meters	LAB. CONTROL	SOURCE OF SUPPLY	Safe Yield Impounded MGD Maximum Dependable Draft (Grd. water) MGD	Rated Plant Capacity MGD Average Plant Output MGD	TREATMENT	Distrib. Storage MG: Pumped to Mains Gravity to Mains	IMPROVEMENTS NEEDED
1	2	3	4	5	6	7	8	9	10	11	12
MINDEN	355 355	1951 1956	M	X X	N	GRAVEL PACKED WELLS	- .058	.050 X	IH-AM CAB SO FPS FPZ DH V	- .06	X
MINGO	260 260	1954 1958	M	X X	N	GRAVEL PACKED WELL	- .187	.058 X	I-AC FPS (V 0.30)	.01 -	X
MISSOURI VALLEY	3,567 3,565	1959 1949	M	X X	N	DRILLED WELLS	- 1.440	X X	I-AT SC FRS DC (V 0.30)	.10 .33	X
MITCHELLVILLE	957 955	1939 -	M	X X	N	GRAVEL PACKED WELL	- .430	- X	NONE (V 0.20)	- .05	X
MODALE	276 275	1961 1959	M	X X	N	DRILLED WELL	- .125	.022 X	IH-AC FPS FPZ KP DH (V 0.10)	- .03	X
MONDAMIN	436 435	1951 1949	M	X X	N	DRILLED & GRAVEL PACKED WELLS	- .400	.100 X	I-AM FPS (V 0.40)	- .05	X
MONONA	1,346 1,345	1953 -	M	X X	N	DEEP WELLS	- .140	- X	NONE (DH STANDBY WELL) (V 0.30)	- .06	X
MONROE	1,366 1,365	1960 -	M	X X	N	DRILLED WELLS	- .216	- X	NONE (V 0.75)	- .06	X
MONTEZUMA	1,416 1,415	1953 1953	M	X X	C	IMP RESERVOIR /DIAMOND LAKE/	330.000 -	.360 X	P-CAL HTS SV TC FRS DC (V 0.25)	.03 .06	X
MONTICELLO	3,190 3,190	1955 -	M	X X	N	DRILLED WELLS	- 1.411	- .263	NONE (V 0.15)	- .50	X
MONTOUR	452 450	1946 X	M	X X	N	DRILLED WELL	- .070	X X	DC (V 0.30)	- .03	X
MOORHEAD	313 315	1957 -	M	X X	N	JETTED & DRILLED WELLS	- .460	- X	NONE (V 0.30)	- .04	X
MOORLAND	281 280	1957 -	M	X X	N	WELL	- .070	- X	NONE (V 1.40)	.01 -	X
MORAVIA	621 620	1960 1960	M	X X	C	DRILLED WELLS	- .058	.075 X	I-AM FPA DH (V 0.30)	- .05	X
MORNING SUN	875 875	1962 1953	M	X X	N	DRILLED WELL	- .200	.070 X	I-AM FPS (V 3.60)	- .05	X
MOULTON	773 775	1961 X	M	X X	N	DRILLED WELLS	- .172	.172 X	I-AO FPS DH (V 2.90)	- .10	X
MOUNT AYR	1,738 1,740	1925 1962	M	X X	C	IMP RESERVOIR	34.000 -	.576 X	P-AT CLA TC MB SC FRS DC (V 0.20)	.06 .06	X
MOUNT PLEASANT	7,339 7,340	1930 X	M	X X	C	DRILLED & BORED WELLS	- 1.090	.350 X	I-AO FPS DC (V 1.60)	.02 .15	X
MOUNT VERNON	2,593 2,595	1957 X	M	X X	N	DRILLED WELLS	- .489	X X	DH (WELL 2) (V 0.20)	- .15	X
MOVILLE	1,156 1,155	1956 -	M	X X	N	DUG & BORED WELLS	- .648	- X	NONE (DH AVAILABLE) (V 0.25)	- .06	X
MURRAY	613 615	1959 -	M	X X	N	DRILLED WELLS	- .090	- X	NONE (V 0.60)	- .05	X
MUSCATINE	20,997 20,995	1962 X	M	X X	N	SHALLOW WELLS	- 6.900	X X	DC (V 0.05)	6.00 .55	X
NASHUA	1,737 1,735	1961 -	M	X X	N	DRILLED WELLS	- 2.000	- X	NONE (V 0.25)	.02 -	X
NEOLA	870 870	1953 -	M	X X	N	DRILLED WELLS	- .317	- X	NONE (V 0.30)	- .08	X
NEVADA	4,227 4,225	1952 1954	M	X X	N	DRILLED WELLS	- 1.440	.864 X	I-AC FPS DH (V 2.00)	.20 .10	X
NEW ALBIN	643 645	1925 -	M	X X	N	DRILLED WELL	- .144	- X	NONE (V 0.10)	- .06	X
NEWELL	893 895	1956 1958	M	X X	N	DRILLED WELLS	- .432	.300 X	I-AO FPS (V 0.40)	- .05	X
NEWHALL	495 495	1957 1953	M	X X	N	DRILLED WELL	- .288	.086 X	I-AO FPA DH (V 1.40)	- .03	X

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COMMUNITY OR FACILITY	1960 Population Estimated Population Served	Year Oper. Started: Present Supply Present Treatment Plant	OWNERSHIP	Number of Services Number of Meters	LAB. CONTROL	SOURCE OF SUPPLY	Safe Yield Impounded MGD Maximum Dependable Draft (Grd. water) MGD	Rated Plant Capacity MGD Average Plant Output MGD	TREATMENT	Distrib. Storage MG: Pumped to Mains Gravity to Mains	IMPROVEMENTS NEEDED
1	2	3	4	5	6	7	8	9	10	11	12
NEW HAMPTON	3,456 3,455	1935 -	M	X X	N	DRILLED WELLS	- 1.036	- X	NONE (KC AVAILABLE) (V 0.80)	- .08	X
NEW HARTFORD	649 650	1901 1957	M	X X	M	DRILLED WELL	- .245	.130 X	I-AO FPS AT (V 0.60)	- .06	X
NEW LIBERTY	145 145	1949 -	M	X X	N	DRILLED WELL	- .173	- X	NONE (V 0.25)	.01 -	X
NEW LONDON	1,694 1,695	1961 1951	M	X X	C	DRILLED WELLS	- .432	.144 X	I-AO FPS (V 1.60)	.10 .05	X
NEW MARKET	506 505	1956 1957	M	X X	N	DRILLED WELL	- .070	.078 X	I-AC FPS KP DH (V 0.30)	- .05	X
NEW PROVIDENCE	206 205	1947 -	M	X X	N	DRILLED WELL	- .129	- X	NONE (V 2.20)	.01 -	X
NEW SHARON	1,063 1,065	1961 1961	M	X X	N	GRAVEL PACKED WELLS	- .170	.200 X	I-AM FPA (V 0.40)	X X	X
• NEWTON	15,381 15,380	1937 X	M	X X	N	GRAVEL PACKED WELLS	- 5.300	X X	DC KC VS	3.00 .60	X
NEW VIENNA	265 265	1892 -	M	X X	N	DRILLED WELLS	- .187	- X	NONE (V 0.20)	- .04	X
NEW VIRGINIA	381 380	1956 -	M	X X	N	DRILLED WELL	- .050	- X	NONE (V 0.40)	- .05	X
NORA SPRINGS	1,275 1,275	1952 1938	M	X X	N	DRILLED WELLS	- .202	.086 X	I-AC FPS (V 0.90)	- .08	X
NORTH ENGLISH	1,004 1,005	1947 1950	M	X X	N	DRILLED WELL	- .300	.288 X	IH-AO FPS FPZ KP AT (V 1.20)	- .08	X
NORTHWOOD	1,768 1,770	1898 1951	M	X X	N	DRILLED WELLS	- .720	.288 X	I-AO FPS (V 0.10)	- .06	X
NORWALK	1,328 1,330	1961 1955	M	X X	N	DRILLED & GRAVEL PACKED WELLS	- .374	.144 X	I-AM FPA AT DH (V 0.40)	.10 .03	X
NORWAY	516 515	1917 1957	M	X X	N	DRILLED WELL	- .086	.115 X	I-AT FPA DH (V 0.40)	- .04	X
OAKLAND	1,340 1,340	1959 -	M	X X	N	GRAVEL PACKED WELLS	- .150	- X	NONE (V 0.40)	.17 .04	X
OCHEYEDAN	662 660	1955 X	M	X X	N	DRILLED WELL	- .144	X X	DH (V 0.30)	X .05	X
ODEBOLT	1,331 1,330	1954 1955	M	X X	N	SHALLOW & DRILLED WELLS	- .489	.288 X	I-AMO FPS DH (V 1.70)	- .10	X
OELWEIN	8,282 8,280	1959 1955	M	X X	N	DRILLED WELLS	- 2.350	X X	AT(DC AVAILABLE)(V 1.00)	.20 1.00	X
OGDEN	1,525 1,525	1956 -	M	X X	N	DRILLED WELLS	- 1.000	- X	NONE (V 0.12)	.10 .08	X
OKOBOJI	330 330	1940 X	M	X X	N	WEST OKOBOJI LAKE	NO LIMIT -	X X	DC (V 0.40)	- .05	X
OLIN	703 705	1930 -	M	X X	N	DRILLED WELL	- .648	- X	NONE (V 0.15)	.04 .01	X
ONAWA	3,176 3,175	1962 1930	M	X X	N	DRILLED & DUG WELLS	- 1.500	.720 X	I-AT SC FRS DC (V 0.40)	.08 .08	X
ONSLOW	269 270	1913 -	M	X X	N	DRILLED WELL	- .085	- X	NONE (V 0.25)	- .03	X
ORANGE CITY	2,707 2,705	1946 X	M	X X	N	DRILLED & BORED WELLS	- .489	X X	DH (V 0.20)	.18 .06	X
ORCHARD	116 115	1959 -	M	X X	N	DRILLED WELL	- .216	- X	NONE (V 0.20)	- -	X
ORLEANS	280 (280)	1955 -	M	X X	N	SPIRIT LAKE	- -	- -	SPIRIT LAKE	- -	-
OSAGE	3,753 3,755	1954 -	M	X X	N	DRILLED WELLS	- 1.200	- X	NONE (V 0.10)	- .08	X

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COMMUNITY OR FACILITY	1960 Population Estimated Population Served	Year Oper. Started Present Supply Present Treatment Plant	OWNERSHIP	Number of Services Number of Meters	LAB. CONTROL	SOURCE OF SUPPLY	Safe Yield Impounded MGD Maximum Dependable Draft (Grd. water) MGD	Rated Plant Capacity MGD Average Plant Output MGD	TREATMENT	Distrib. Storage MG Pumped to Mains Gravity to Mains	IMPROVEMENTS NEEDED
1	2	3	4	5	6	7	8	9	10	11	12
OSCEOLA	3.350 3.350	1960 1944	M	X X	C	IMP RESERVOIR	400.000 -	.504 X	P-AS CLA TC MBP S FRS DC (V 0.20)	.10 .30	X
• OSKALOOSA	11.053 11.055	1945 1934	M	X X	A	WELLS & SOUTH SKUNK RIVER	6.340 1.400	2.000 X	PH-AT CALS MP SM FRS R TC DC (V 0.30)	6.00 1.00	X
OSSIAN	827 825	1915 -	M	X X	N	DRILLED WELL	- .350	- X	NONE (V 0.25)	- .06	X
OTHO	593 595	1960 1958	M	X X	N	DRILLED WELLS	- .216	.070 X	I-AM FPA DH (V 2.20)	- .03	X
OTO	221 220	1956 X	M	X X	N	DRILLED WELL	- .144	X .010	DH (V 0.30)	- .03	-
OTTOSEN	92 90	1956 X	M	X X	N	DRILLED WELL	- .150	.070 X	H-FPZ KP (V 1.00)	.01 -	X
OTTUMWA	33.871 39.000	1932 1960	M	10.020 10.020	A	DES MOINES RIVER	19.400 -	8.000 4.100	PH-DC CALIS TC MTP KC S FRS DC VS	8.20 11.60	X
OXFORD	633 635	1934 1960	M	X X	N	DRILLED WELLS	- .140	.070 X	I-AT FPS DH (V 0.40)	- .06	X
OXFORD JUNCTION	725 725	1898 X	M	X X	N	DUG WELL	- .216	X X	DH (V 0.15)	- .08	X
OYENS	114 115	1953 -	M	X X	N	DRILLED WELL	- .140	- X	NONE (V 0.25)	.01 -	X
PALMER	271 270	1958 1952	M	X X	N	DRILLED WELLS	- .106	- .015	I-AO FPS DH (V 0.40)	- .03	X
PANAMA	257 255	1953 -	M	X X	N	BORED WELL	- .021	- X	NONE (V 0.40)	- .04	X
PANORA	1.019 1.020	1952 1952	M	X X	C	RACCOON RIVER	X -	.432 X	P-CLA TC M S FRS DC (V 0.40)	- .16	X
PARKERSBURG	1.468 1.470	1955 1955	M	X X	N	DRILLED WELLS	- .432	.446 X	H-DH KP FPZ (V 0.75)	- .14	X
PATON	370 370	1958 1956	M	X X	N	DRILLED WELL	- .158	.072 X	I-DH FPS (V 0.60)	- .03	X
PAULLINA	1.329 1.330	1955 X	M	X X	N	DUG & GRAVEL PACKED WELLS	- .561	X X	DC (V 0.40)	.10 .06	X
PELLA	5.198 5.200	1956 1958	M	X X	C	INF GALLERYS & DUG WELLS	- 1.870	.350 X	IH-AM FRS FRZ NG DC VS	4.00 .30	X
PERRY	6.442 6.440	1900 1958	M	X X	C	DRILLED WELLS	- 2.590	2.000 X	H-AT CLO (NTPS SV) R FRS DC VT	.50 .50	X
PERSIA	322 320	1956 1955	M	X X	C	GRAVEL PACKED WELL	- .046	.030 X	IH-AC CA KP FPS FPZ DH (V 0.30)	- .04	X
PETERSON	565 565	1948 1962	M	X X	N	DRILLED WELL	- .288	.244 X	I-FCP TO (V 0.35)	- .30	X
PIERSON	425 425	1956 X	M	X X	N	DUG & DRILLED WELLS	- .360	X X	DH (V 0.40)	- .06	X
PILOT MOUND	196 195	1962 -	M	X X	N	DRILLED WELLS	- .028	- X	NONE (V 0.30)	- .05	X
PIONEER	448 450	1950 1950	M	X X	N	DUG WELL & BORED WELL	- .050	.070 X	I-FPC TO (V 0.50)	.01 -	X
PISGAH	343 345	1929 -	M	X X	N	DRILLED WELL	- .216	- X	NONE (V 0.25)	- .04	X
PLAINFIELD	445 445	1959 -	M	X X	N	DRILLED WELL	- .173	- X	NONE (V 0.15)	- .05	X
PLEASANT HILL	397 (395)	X -	M	X X	N	DES MOINES	- -	- -	DES MOINES	- -	-
PLEASANTVILLE	1.025 1.025	1956 1949	M	X X	N	GRAVEL PACKED WELL	- .403	.070 X	I-AC DH FPS (V 0.30)	.02 .05	X
PLOVER	182 180	1925 -	M	X X	N	DRILLED WELL	- .100	- X	NONE (V 0.40)	- .03	X

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1	2	3	4	5	6	7	8	9	10	11	12
PLYMOUTH	422	1927	M	X	N	DRILLED WELL	-	X	DH (V 0.40)	.05	X
	420	X		X			.648	X		-	
POCAHONTAS	2.011	1940	M	X	N	DRILLED & GRAVEL	-	-	NONE (V 0.45)	.25	X
	2.010	-		X		PACKED WELLS	.720	X		.09	
POLK CITY	567	1951	M	X	N	GRAVEL PACKED	-	.070	I-AT FPA (V 0.25)	-	X
	565	1955		X		WELL	.070	X		.03	
POMEROY	816	1931	M	X	N	DRILLED WELLS	-	.260	I-AM FPS KP (V 0.50)	.03	X
	815	1940		X			.460	X		-	
PORTSMOUTH	232	1955	M	X	N	SANDPOINTS &	-	-	NONE (V 0.25)	-	X
	230	-		X		BORED WELLS	.028	X		.04	
POSTVILLE	1.554	1950	M	X	N	DRILLED WELLS	-	.310	I-AO FRS (FPZ KP DH	-	X
	1.555	1949		X			.430	X	AVAILABLE) (V 0.15)	.05	
PRAIRIEBURG	226	1905	M	X	N	DRILLED WELL	-	-	NONE (V 0.40)	-	X
	225	-		X			.173	X		.03	
PRAIRIE CITY	943	1950	M	X	N	GRAVEL PACKED	-	X	DH (V 0.20)	.15	X
	945	X		X		WELLS	.230	X		.06	
PRESCOTT	331	1960	M	X	C	DRILLED WELLS	-	.073	I-AM FPS KP DH (V 0.35)	-	X
	330	1960		X		&GRAVEL PACKEDS	X	X		.05	
PRESTON	819	1937	M	X	N	DRILLED WELL	-	-	NONE (V 0.40)	-	X
	820	-		X			.317	X		.06	
PRIMGHAR	1.131	1957	M	X	N	DUG &	-	.144	I-AM FPS DC (V 0.35)	.03	X
	1.130	1957		X		DRILLED WELLS	.570	X		.10	
PROTIVIN	302	1950	M	X	N	SHALLOW WELL	-	.144	I-AO FPS (V 1.30)	-	X
	300	X		X			.144	X		.02	
QUIMBY	369	1930	M	X	N	DRILLED WELL	-	-	NONE (V 0.70)	-	X
	370	-		X			.216	X		.05	
RADCLIFFE	615	1957	M	X	N	DRILLED WELL	-	.144	H-FPZ KP DH (V 0.45)	-	X
	615	1948		X			.360	X		.04	
RAKE	328	1939	M	X	N	DRILLED WELL	-	-	NONE (V 0.50)	-	X
	330	-		X			.086	X		.03	
RANDALL	201	1950	M	X	N	DRILLED WELL	-	-	NONE (V 1.10)	-	X
	200	-		X			.070	X		.03	
RANDOLPH	257	1956	M	X	N	DRILLED WELL	-	.070	I-AC FPA KP DH (V 0.40)	-	X
	255	1947		X			.144	X		.07	
READLYN	547	1960	M	X	N	DRILLED WELL	-	-	NONE (V 0.40)	-	X
	545	-		X			.140	X		.03	
REDFIELD	966	1938	M	X	N	GRAVEL PACKED	-	.215	H-FPZ KP DH (V 0.30)	-	X
	965	1942		X		WELLS	.144	X		.03	
RED OAK	6.421	1955	M	X	N	DUG & GRAVEL	-	X	DC (ONE WELL) (V 0.30)	1.00	X
	6.420	X		X		PACKED WELLS	3.310	X		.24	
REINBECK	1.621	1938	M	X	N	DRILLED WELLS	-	X	DH KC (V 1.60)	-	X
	1.620	1954		X			.667	X		.09	
REMBRANDT	265	1956	M	X	N	DRILLED WELL	-	.070	I-AT FPS DH (V 0.60)	-	X
	265	1949		X			.080	.017		.05	
REMSEN	1.338	1959	M	X	N	DUG & GRAVEL	-	-	NONE (V 0.50)	-	X
	1.340	-		X		PACKED WELLS	.504	X		.08	
RENWICK	477	1936	M	X	N	DRILLED WELLS	-	.216	H-FPZ KP AO (V 0.30)	-	X
	475	1941		X			.489	X		.03	
RHODES	358	1952	M	X	N	DRILLED WELL	-	.070	I-FPS (V 0.60)	-	X
	360	1950		X			.086	X		.03	
RICEVILLE	898	1917	M	X	N	DRILLED WELL	-	-	NONE (V 0.60)	-	X
	900	-		X			.360	X		.04	
RICHLAND	546	1952	M	X	N	DRILLED WELL	-	.070	I-AM FPS (V 1.20)	-	X
	545	1953		X			.070	X		.03	
RICKETTS	133	1958	M	X	N	SANDPOINTS &	-	X	DH (V 0.35)	-	X
	135	X		X		DUG WELL	.500	X		.03	

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1	2	3	4	5	6	7	8	9	10	11	12
RIDGEWAY	267 265	1930 X	M	X X	N	DRILLED WELL	- .350	X X	DH (V 0.40)	- .04	X
RINARD	99 100	1958 -	M	X X	N	DRILLED WELL	- .029	- X	NONE (V 0.60)	.01 -	X
RINGSTED	550 560	1953 1961	M	X X	N	DRILLED WELLS	- .274	.144 .040	I-AO FPS AT DH (V 0.45)	- .06	X
RIPPEY	331 330	1945 1960	M	X X	N	DRILLED WELL	- .100	.144 X	IH-AT FPZ FPS KP DH (V 0.55)	- .03	X
RIVERSIDE	656 655	1944 X	M	X X	N	DRILLED WELLS	- .143	X X	DH (V 0.15)	- .06	X
ROCKFORD	941 940	1918 -	M	X X	N	DRILLED WELL	- .430	- X	NONE (V 0.60)	- .10	X
ROCK RAPIDS	2.780 2.780	1962 X	M	X X	N	DRLD & DUG HORIZONT SCREEN WELLS	- .893	X X	DC (V 0.30)	- .13	X
ROCK VALLEY	1.693 1.695	1960 -	M	X X	N	DRILLED WELLS	- 1.000	- X	NONE (V 0.20)	- .05	X
ROCKWELL	772 770	1941 -	M	X X	N	DUG & DRILLED WELLS	- .122	- X	NONE (V 2.00)	- .07	X
ROCKWELL CITY	2.313 2.315	1930 1947	M	X X	C	DRILLED WELLS	- 1.390	.216 X	IH-AC FPZ DC KP (V 1.10)	.10 .10	X
ROLAND	748 750	1951 1934	M	X X	N	SHALLOW & DEEP WELLS	- .350	.317 X	I-AT S FRS (V 1.60)	.05 .05	X
ROLFE	819 820	1948 1948	M	X X	N	DRILLED WELLS	- .317	.288 .040	IH-AO FPS FPZ KP DH (V 0.55)	- .05	X
ROSE HILL	223 225	1957 -	M	X X	N	DRILLED WELL	- .020	- X	NONE (V 0.60)	.01 -	X
ROWAN	273 275	1947 X	M	X X	N	DRILLED WELL	- .317	X X	DH (V 0.35)	- .04	X
ROYAL	475 475	1933 1948	M	X X	N	DRILLED WELLS	- .087	.070 X	I-AT SC FPS DH KP (V 0.35)	- .03	X
RUDD	436 435	1958 1962	M	X X	N	DRILLED WELL	- .216	.144 X	I-AM FPA DH (V 0.75)	.02 -	X
RUNNELLS	322 320	1960 -	M	X X	N	GRAVEL PACKED WELLS	- .144	- X	NONE (V 0.30)	- .03	X
RUSSELL	577 575	X 1961	M	X X	C	DRILLED WELL	- .144	.144 X	I-FCP (V 2.70)	- .03	X
RUTHVEN	712 710	1957 1940	M	X X	N	DRILLED WELLS	- .360	.202 X	I-AO FPS (V 0.40)	.02 -	X
RUTLAND	221 220	1949 -	M	X X	N	DRILLED WELL	- .864	- X	NONE (V 0.35)	- .03	X
RYAN	347 345	1946 -	M	X X	N	DRILLED WELLS	- .302	- X	NONE (V 0.40)	.03 -	X
SABULA	894 895	1900 -	M	X X	N	DRILLED WELLS	- .230	- X	NONE (V 0.15)	- .06	X
SAC CITY	3.354 3.355	1960 1951	M	X X	C	DEEP WELLS	- .790	.720 X	H-CALS (MTPS SV) FRS R VS	.08 .10	X
SAINT ANSGAR	1.014 1.015	1932 X	M	X X	C	DRILLED WELLS	- .648	X X	VA	- .05	X
SAINT CHARLES	355 355	1959 1959	M	X X	C	DRILLED WELL /GRAVEL PACK/	- .079	.072 X	I-AM FPS (DH AVAILABLE) (V 0.25)	.01 .01	X
SAINT MARYS	94 95	1958 -	M	X X	X	DRILLED WELL	- .033	- X	NONE (V 0.40)	.01 -	X
SAINT OLAF	169 170	1951 -	M	X X	N	DRILLED WELL	- .086	- X	NONE (V 0.40)	- .05	X
SALEM	442 440	1953 X	M	X X	N	DRILLED WELLS	- .187	X X	KC V	- .03	X

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1	2	3	4	5	6	7	8	9	10	11	12
SALIX	394 395	1949 1946	M	X X	N	DRILLED WELL	- .070	.070 X	I-AT FPS (V 0.45)	- .04	X
SANBORN	1,323 1,325	1948 -	M	X X	N	GRAVEL PACKED WELLS	- .567	- X	NONE (V 0.45)	- .06	X
SCHALLER	896 895	1957 -	M	X X	N	SANDPOINTS & DRILLED WELL	- .504	- X	NONE (V 0.45)	- .10	X
SCHLESWIG	785 785	1949 X	M	X X	N	DUG WELLS	- 1.080	X X	DH (V 0.40)	- .06	X
SCRANTON	865 865	1946 1951	M	X X	N	DRILLED WELL	- .288	.216 X	I-AT S FRS DC (V 0.45)	.04 .04	X
SEARSBORO	165 165	1955 -	M	X X	C	DRILLED WELL	- .070	- X	NONE (V 0.80)	.01 -	X
SERGEANT BLUFF	813 815	1960 1940	M	X X	N	DRILLED WELL	- .288	.144 X	I-AO FPS (V 1.60)	- .03	X
SEYMOUR	1,117 1,115	1939 1937	M	X X	C	IMP RESERVOIR	50.000 -	.288 .048	P-AT CLA T MTB S FRS DC (V 0.20)	.10 -	X
SHEFFIELD	1,156 1,155	1956 X	M	X X	N	DUG WELL	- .317	X X	DH (V 0.10)	- .04	X
SHELBY	533 535	1954 1955	M	X X	C	BORED & GRAVEL PACKED WELLS	- .079	.144 X	IH-AM FPS FPZ KP DH (V 0.40)	- .05	X
SHELDAHL	279 280	1950 1956	M	X X	N	DRILLED WELL	- .070	.070 X	I-AT SO FPA (V 0.40)	.01 -	X
SHELDON	4,251 4,250	1959 1962	M	X X	C	DUG & GRAVEL PACKED WELLS	- 1.234	1.150 X	I-AT S DC KC (V 0.40)	.18 .50	X
SHELL ROCK	1,112 1,110	1939 X	M	X X	N	DRILLED WELLS	- .720	X X	DH (V 0.25)	- .06	X
SHELLSBURG	625 625	1957 1962	M	X X	N	DRILLED WELL	- .302	.300 X	I-DC FPA (V 1.40)	- .09	X
SHENANDOAH	6,567 6,565	1958 1958	M	X X	C	KELLEY & GRAVEL PACKED WELLS	- 3.100	2.230 X	H-AM CLAS MTP SOC R FRS DC (V 0.30)	.40 .40	X
SIBLEY	2,852 2,850	1948 X	M	X X	N	DRILLED & GRAVEL PACKED WELLS	- .964	X X	DC (V 0.40)	- .06	X
SIDNEY	1,057 1,055	1958 -	M	X X	N	SPRINGS & GRAVEL PACKED WELLS	- .173	- X	NONE (V 0.25)	.04 .10	X
SIGOURNEY	2,387 2,385	1927 1962	M	X X	N	DRILLED & GRAVEL PACKED WELLS	- .446	.720 X	I-AC FPS DC VA	.20 .06	X
SILVER CITY	281 280	1955 X	M	X X	B	GRAVEL PACKED WELL	- .079	X X	DH (V 0.20)	- .05	X
SIOUX CENTER	2,275 2,275	1962 1946	M	X X	N	GRAVEL PACKED WELLS	- .634	.288 X	I-AT FPA VA	- .05	X
SIOUX CITY	89,159 85,000	1884 1884	M	24,000 25,000	B	12 WELLS	- 25.500	25.500 10.800	DC (V 1.20)	25.50 .25	U P T L
SIOUX RAPIDS	962 960	1888 X	M	X X	N	DUG WELL	- .864	X X	DC VA	- .08	X
SLATER	717 715	1944 1950	M	X X	N	DRILLED WELLS	- .216	.115 X	I-AO FPS DC (V 0.40)	- .03	X
SLOAN	704 705	1949 1938	M	X X	N	DRILLED WELL	- .144	.105 X	I-AO FPS (V 0.45)	- .05	X
SMITHLAND	349 350	1953 -	M	X X	N	DRILLED WELL	- .180	- .022	NONE (V 0.20)	- .05	X
SOLDIER	284 285	1962 -	M	X X	N	DRILLED WELLS	- 1.080	- X	NONE (V 1.90)	- .03	X
SOLON	604 605	1961 X	M	X X	N	DRILLED WELLS	- .417	X X	DH (V 0.20)	- .03	X
SOUTH AMANA	275 275	1958 -	P	X X	N	3 DRILLED WELLS	- .065	- X	NONE (V 0.50)	.03 -	X

INVENTORY OF MUNICIPAL WATER FACILITIES

STATE IOWA

COMMUNITY OR FACILITY 1	1960 Population Estimated Population Served 2	Year Oper. Started Present Supply Present Treatment Plant 3	OWNERSHIP 4	Number of Services Number of Meters 5	LAB. CONTROL 6	SOURCE OF SUPPLY 7	Safe Yield Impounded MGD Maximum Dependable Draft (Grd. water) MGD 8	Rated Plant Capacity MGD Average Plant Output MGD 9	TREATMENT 10	Distrib. Storage MG Pumped to Mains Gravity to Mains 11	IMPROVEMENTS NEEDED 12
SOUTH ENGLISH	217 215	1956 1960	M	X X	N	DRILLED WELL	- .017	.035 X	I-DH FPS (V 1.40)	.01 -	X
SPENCER	8,864 8,865	1956 1962	M	2,700 2,700	C	DUG WELLS	- 1.720	2.020 X	HI-AT CLAS (MTPS SV)FPS FPZ DC (V 0.15)	1.50 .75	X
SPILLVILLE	389 390	1960 X	M	X X	N	DRILLED WELLS	- .216	X X	DH (V 1.35)	- .03	X
* SPIRIT LAKE	2,685 2,685	1950 1950	M	X X	C	SPIRIT LAKE	NO LIMIT -	.825 X	H-CAL(MTPS SV)FRS DC R (V 0.30)	.13 .38	X
SPRINGBROOK	139 140	1959 -	P	X X	N	DRILLED WELL	- .266	- X	NONE (V 0.35)	.01 -	X
SPRINGVILLE	100 100	1950 X	P	X X	N	DRILLED WELL	- .086	X X	DH (V 0.20)	- .05	X
STACYVILLE	588 590	1915 X	M	X X	N	DRILLED WELL	- .430	X X	DH (V 0.20)	.03 -	X
STANHOPE	461 460	1940 1946	M	X X	N	DRILLED WELL	- .100	.070 X	I-AO FPS (V 2.20)	- .04	X
STANTON	514 515	1952 1961	M	X X	C	SHALLOW WELL	- .389	.144 X	IH-AC CLAS MB SOB FPS FPZ DH (V 0.35)	- .45	X
STANWOOD	598 600	1946 -	M	X X	N	DRILLED WELL	- .173	- X	NONE (V 0.10)	- .03	X
STATE CENTER	1,142 1,140	1957 1935	M	X X	C	DRILLED WELL	- .720	.432 X	I-AS S FPS DC (V 0.25)	.07 .10	X
STEAMBOAT ROCK	426 425	1940 -	M	X X	N	DRILLED WELL	- .144	- X	NONE (V 0.30)	- .03	X
STOCKTON	164 165	1948 -	M	X X	N	DRILLED WELL	- .065	- X	NONE (V 0.25)	.01 -	X
* STORM LAKE	7,728 7,730	1963 1961	M	X X	C	DRILLED WELLS	- 4.460	3.000 X	H-CLSA(MTPS SV)R FRS DC (V 0.40)	1.00 1.00	X
STORY CITY	1,773 1,775	1945 1956	M	X X	C	DRILLED WELLS	- .893	.720 X	IH-AO FPS DH FPZ KP (V 1.16)	.05 .07	X
STOUT	145 145	1956 -	M	X X	N	DRILLED WELL	- .115	- X	NONE (V 0.90)	.01 -	X
STRATFORD	703 705	1930 1947	M	X X	N	DRILLED WELLS	- .370	.300 X	IH-FPZ KP DH (V 1.60)	.03 -	X
STRAWBERRY POINT	1,303 1,305	1957 -	M	X X	N	DRILLED WELLS	- .576	- X	NONE (V 0.20)	- .08	X
STUART	1,486 1,485	1962 -	M	X X	N	DRILLED WELLS	- .900	- X	NONE (DH AVAILABLE) (V 2.40)	.28 .08	X
SULLY	508 510	1961 -	M	X X	N	DRILLED WELL	- .021	- X	NONE (V 1.95)	- .02	X
SUMNER	2,170 2,170	1962 -	M	X X	N	DRILLED WELLS	- .570	- X	NONE (V 0.15)	.12 .06	X
SUPERIOR	190 190	1913 -	M	X X	N	DRILLED WELLS	- X	- X	NONE (V 0.20)	.01 -	X
SUTHERLAND	883 885	1953 1938	M	X X	N	DRILLED WELLS	- .389	.144 X	I-AO FPS DC (V 0.80)	- .06	X
SWEA CITY	805 805	1942 1941	M	X X	C	DRILLED WELL	- .216	.260 X	IH-AO FPS FPZ DC(V 0.35)	- .04	X
TABOR	909 910	1954 1956	M	X X	C	IMP RESERVOIR	.250 -	.070 X	P-AT CLA TC MTP SO FRS DC (V 0.20)	X .09	X
TAMA	2,925 2,925	1948 -	M	X X	N	DRILLED WELLS	- 1.440	- X	NONE (V 0.30)	- .06	X
TEMPLETON	354 355	1951 -	M	X X	N	DUG WELLS & DRILLED WELL	- .022	- X	NONE (DH AVAILABLE) (V 0.40-4.70)	- .08	X
TERRIL	382 380	1948 1954	M	X X	C	DRILLED WELL	- .216	.216 X	IH-AM FPA FPZ KP DH AT (V 0.45)	- .05	X

INVENTORY OF MUNICIPAL WATER FACILITIES

STATE IOWA

COMMUNITY OR FACILITY	1960 Population Estimated Population Served	Year Oper. Started Present Supply Present Treatment Plant	OWNERSHIP	Number of Services Number of Meters	LAB. CONTROL	SOURCE OF SUPPLY	Safe Yield Impounded MGD Maximum Dependable Draft (Grd. water) MGD	Rated Plant Capacity MGD Average Plant Output MGD	TREATMENT	Distrib. Storage MG Pumped to Mains Gravity to Mains	IMPROVEMENTS NEEDED
1	2	3	4	5	6	7	8	9	10	11	12
THOMPSON	689 690	1926 1960	M	X X	N	DRILLED WELLS	- .489	.350 X	I-AO FPA DC (V 0.20)	.02 -	X
THOR	234 235	1962 X	M	X X	N	DRILLED WELL	- .144	X X	KO (V 0.40)	.01 -	X
THORNTON	449 450	1955 -	M	X X	N	DRILLED WELL	- .288	- X	NONE (V 1.80)	- .03	X
THURMAN	268 270	1955 -	M	X X	N	DRILLED WELL	- .100	- X	NONE (V 0.30)	- .06	X
TIPTON	2,682 2,680	1956 X	M	X X	N	DRILLED WELLS	- 1.730	X X	KC (V 0.40)	.06 .36	X
TITONKA	647 645	1936 1961	M	X X	N	DRILLED WELL	- .350	.288 X	I-AO FPA DH (V 0.75)	- .07	X
TOLEDO	2,850 2,850	1961 1952	M	X X	N	DRILLED WELL	- .432	.288 .300	I-AO FPS DC (V 1.15)	.20 .14	X
TRAER	1,623 1,625	1962 1957	M	X X	C	DRILLED WELLS	- .460	.231 X	IH-AM FPS FPZ DC KP (V 0.80)	.23 .08	X
TREYNOR	368 370	1960 -	M	X X	N	GRAVEL PACKED WELL	- .144	- X	NONE (V 0.15)	- .04	X
TRIPOLI	1,179 1,180	1918 1954	M	X X	C	DRILLED WELL	- .630	.350 X	I-AO FPS (DH AVAILABLE) (V 0.40)	X .04	X
TRUESDALE	153 155	1955 -	M	X X	N	DRILLED WELL	- .070	- X	NONE (V 0.20)	.01 -	X
TRURO	338 340	1956 1958	M	X X	N	DRILLED WELL	- .080	.070 X	I-AC FPS (V 0.20)	- .03	X
UNDERWOOD	337 335	1953 -	M	X X	N	DRILLED WELLS	- .090	- X	NONE (I-AC SC FPS DH STANDBY) (V 0.40)	- .03	X
UNION	534 535	1935 -	M	X X	N	GRAVEL PACKED WELL	- X	- X	NONE (V 0.20)	- .06	X
UNIVERSITY HEIGHTS	841 (840)	X -	M	X X	N	IOWA CITY	- -	- -	IOWA CITY	- -	-
UNIVERSITY PARK	569 (570)	X -	M	X X	N	OSKALOOSA	- -	- -	OSKALOOSA	- -	-
URBANA	544 545	1959 -	M	X X	N	DRILLED WELLS	- .250	- X	NONE (V 0.80)	- .05	X
URBANDALE	5,821 (5,820)	1936 -	M	X X	N	DES MOINES	- -	- -	DES MOINES	- -	-
UTE	511 510	1949 -	M	X X	N	DRILLED WELLS	- .259	- X	NONE (V 0.30)	- .04	X
VAIL	473 475	1959 -	M	X X	N	DUG WELL & DRILLED WELL	- .288	- X	NONE (V 0.30)	- .06	X
VAN HORNE	554 555	1956 1941	M	X X	N	DRILLED WELL	- .270	.165 X	I-AO FPS KP (V 2.30)	- .05	X
VAN METER	385 385	1955 -	M	X X	N	DRILLED WELL	- .144	- X	NONE (V 0.25)	- .04	X
VARINA	162 160	1953 -	M	X X	N	DRILLED WELLS	- .028	- X	NONE (V 0.50)	.03 -	X
VICTOR	870 870	1960 1947	M	X X	N	DRILLED WELLS	- .432	.100 X	H-FPZ KP DH (V 0.40)	- .05	Y
VILLISCA	1,690 1,690	1945 1931	M	X X	C	DRILLED & GRAVEL PACKED WELLS	- .260	.460 X	I-CA AM SC FRS DC (V 0.30)	.06 .10	X
VINCENT	173 175	1960 -	M	X X	N	DRILLED WELL	- .043	- X	NONE (V 0.35)	X X	X
VINTON	4,781 4,780	1955 1962	M	X X	N	DRILLED & GRAVEL PACKED WELLS	- 2.160	2.000 X	I-AO FPS DC (V 1.15)	.22 .07	X
VOLGA CITY	361 360	1958 -	M	X X	N	DRILLED WELL	- .432	- X	NONE (DH AVAILABLE) (V 0.45)	- .04	X

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STATE IOWA

COMMUNITY OR FACILITY	1960 Population Estimated Population Served	Year Oper. Started Present Supply Present Treatment Plant	OWNERSHIP	Number of Services Number of Meters	LAB. CONTROL	SOURCE OF SUPPLY	Safe Yield Impounded MGD Maximum Dependable Draft (Grd. water) MGD	Rated Plant Capacity MGD Average Plant Output MGD	TREATMENT	Distrib. Storage MG Pumped to Mains Gravity to Mains	IMPROVEMENTS NEEDED
1	2	3	4	5	6	7	8	9	10	11	12
WALCOTT	664 665	1943 1951	M	X X	N	DRILLED WELL	- .310	.100 X	I-AO FPS (V 0.40)	- .05	X
WALKER	584 585	1951 -	M	X X	N	DRILLED WELL	- .122	- X	NONE (V 0.25)	- .06	X
WALLINGFORD	228 230	1957 -	P	X X	N	BORED WELL	- .060	- X	NONE (V 0.35)	- .03	X
WALL LAKE	812 810	1900 X	M	X X	N	DUG WELL	- .480	X X	DC (V 0.50)	- .05	X
WALNUT	777 775	1937 1959	M	X X	N	DRILLED WELLS	- .286	.216 X	I-AM SO FPS DH (V 0.50)	.07 .11	X
WAPELLO	1,745 1,745	1955 1946	M	X X	C	GRAVEL PACKED WELL	- .561	.150 X	IH-AC FPS FPZ KP DH (V 0.10)	.02 -	X
WASHBURN HOUSING PROJECT	900 900	1956 -	P	X X	N	WELL	- X	- X	NONE	X -	X
WASHINGTON	6,037 6,035	1956 X	M	X X	N	DRILLED WELLS	- 2.160	X X	DC KC (V 1.15)	1.00 .35	X
WASHTA	310 310	1961 -	M	X X	N	DUG WELL & DRILLED WELL	- .216	- X	NONE (DH AVAILABLE) (V 0.20)	- :6	X
WATERLOO	72,687 87,485	1932 1960	M	20,000 19,000	S	11 WELLS	- 30.000	30.000 9.000	DC (V 0.55)	7.00 3.00	N
WAUKEE	687 685	1958 1955	M	X X	N	DEEP WELL	- .030	.070 X	I-AC FPS (V 3.00)	- .05	X
WAUKON	3,639 3,640	1957 X	M	X X	N	DRILLED WELLS	- .612	X X	VT	.50 .10	X
WAVERLY	6,357 6,355	1949 1962	M	X X	N	SHALLOW & DEEP DRILLED WELLS	- 3.600	X X	AC (V 2.10-0.20)	.20 .40	X
WAYLAND	597 595	1949 1959	M	X X	N	DRILLED WELL	- .070	.086 X	I-AT FPS (DH AVAILABLE) (V 1.55)	- .04	X
WEBB	236 235	1956 1956	M	X X	N	GRAVEL PACKED WELLS	- .070	.070 X	I-AT SO FPS (V 0.40)	- .03	X
WEBSTER	137 135	1955 -	M	X X	N	DRILLED WELL	- .043	- X	NONE (V 0.30)	.01 -	X
WEBSTER CITY	8,520 8,520	1954 1930	M	X X	C	DEEP WELLS	- 3.600	1.400 X	H-CALS (MTPS SV) FRS DC AT R (V 1.00)	1.30 .25	X
WELLMAN	1,085 1,085	1955 1953	M	X X	C	DRILLED WELLS	- .430	.140 X	IH-AT FPA FPZ KP(V 1.20)	- .05	X
WELLSBURG	827 825	1960 1961	M	X X	C	DRILLED WELL	- .432	.432 X	IH-AM CLAS MI SC FPA AC (V 0.45)	- .12	X
WESLEY	514 515	1937 -	M	X X	N	DRILLED WELLS	- .216	- X	NONE (V 0.70)	.02 -	X
WEST AMANA	200 200	1947 -	P	X X	N	GRAVEL PACKED WELL	- .100	- X	NONE (V 0.25)	- .02	X
WEST BEND	910 910	1959 1956	M	X X	N	DRILLED WELL	- .570	.288 X	I-AT FPS KP DH (V 0.40)	- .06	X
WEST BRANCH	1,053 1,055	1957 1961	M	X X	N	DRILLED WELL	- .259	.288 X	I-AM FPA AS DH (V 0.30)	- .04	X
WEST BURLINGTON	2,560 (2,560)	1962 -	M	X X	N	BURLINGTON	- -	- -	BURLINGTON	- -	-
WEST CHESTER	253 255	1957 -	M	X X	N	DRILLED WELL	- .144	- X	NONE (V 0.30)	.01 -	X
WEST DES MOINES	11,949 11,950	1930 1962	M	X X	C	GRAVEL PACKED WELLS	- 1.870	2.000 1.000	IH-DC CLAS MST SV (MTPS SV)R FGS (V 0.40)	1.25 .50	X
WESTGATE	214 215	1936 -	M	X X	N	DRILLED WELL	- .144	- X	NONE (V 0.40)	- .02	X
WEST LIBERTY	2,042 2,040	1959 1948	M	X X	N	DRILLED WELLS	- .480	.070 X	I-AO FPS (V 1.40)	.30 .06	X

INVENTORY OF MUNICIPAL WATER FACILITIES

STATE IOWA

COMMUNITY OR FACILITY	1960 Population Estimated Population Served	Year Oper. Started Present Supply Present Treatment Plant	OWNERSHIP	Number of Services Number of Meters	LAB. CONTROL	SOURCE OF SUPPLY	Safe Yield Impounded MGD Maximum Dependable Draft (Grd. water) MGD	Rated Plant Capacity MGD Average Plant Output MGD	TREATMENT	Distrib. Storage MG Pumped to Mains Gravity to Mains	IMPROVEMENTS NEEDED
1	2	3	4	5	6	7	8	9	10	11	12
WEST OKOBOJI	171 (170)	X -	M	X X	N	MILFORD	- -	- -	MILFORD	- -	-
WEST POINT	758 760	1952 1952	M	X X	N	DRILLED WELLS	- .280	.070 X	I-AC FPS (V 2.40)	- .05	X
WESTSIDE	367 365	1959 X	M	X X	N	DUG WELLS	- .070	X X	DH (V 0.35)	- .04	X
WEST UNION	2,551 2,550	1958 X	M	X X	N	SHALLOW WELLS	- .900	X X	DC (V 0.25)	- .15	X
WHAT CHEER	956 955	1963 1960	M	X X	N	DRILLED WELLS	- .288	.170 X	I-AC FPS DH (V 0.60)	.01 .06	X
WHEATLAND	643 645	1959 1956	M	X X	N	DRILLED WELL	- .288	.144 X	I-DH AM FPS (V 0.25)	- .07	X
WHITING	595 595	1952 1960	M	X X	C	DRILLED WELLS	- .350	.130 X	I-AO FPS DH (V 0.30)	- .04	X
WHITTEMORE	741 740	1956 1952	M	X X	C	DRILLED WELL	- .259	.120 X	IH-AO FPS FPZ DH AT (V 0.50)	- .05	X
WHITTEN	184 185	1941 -	M	X X	N	DRILLED WELLS	- .100	- X	NONE (V 0.40)	.01 -	X
WILLEY	80 80	1959 -	M	X X	X	DRILLED WELL	- .066	- X	NONE (V 0.35)	.01 -	X
WILLIAMS	490 490	1933 1945	M	X X	N	DRILLED WELL	- .180	.240 X	H-FPZ KP DH (V 1.15)	- .04	X
WILLIAMSBURG	1,342 1,340	1948 -	M	X X	N	DRILLED WELLS	- .505	- X	NONE (V 0.75)	.03 -	X
WILTON	1,750 1,750	1955 X	M	X X	N	DRILLED WELLS	- .576	.090 X	DH (V 0.35)	- .06	X
WINDSOR HEIGHTS	4,715 (4,715)	X -	M	X X	N	DES MOINES	- -	- -	DES MOINES	- -	-
WINFIELD	862 860	1925 1959	M	X X	N	DRILLED WELLS	- .360	.216 X	IH-AM FPS FPZ KP DC (V 1.20)	- .05	X
WINTERSET	3,639 3,640	1939 1940	M	X X	C	IMP RES SHALLOW WELLS /STAND BY/	235.000 .360	.570 X	P-CAL TC (MTPS SV) FRS DC (V 0.30)	.04 .10	X
WINTHROP	649 650	1914 1954	M	X X	N	DRILLED WELLS	- .331	.100 X	I-AT FPS DH (V 0.40)	- .04	X
WIOTA	195 195	1938 -	M	X X	N	DRILLED WELLS	- .086	- X	NONE (V 0.30)	.04 -	X
WODEN	283 285	1948 1962	M	X X	N	DRILLED WELL	- .180	.070 X	I-AM FPA AS (V 0.40)	- .10	X
WOODBINE	1,304 1,305	1949 X	M	X X	N	DRILLED & GRAVEL PACKED WELLS	- .540	X X	DC (V 0.30)	- .10	X
WOODWARD	967 (965)	1941 -	M	X X	N	WOODWARD STATE HOSPITAL	- -	- -	WOODWARD STATE HOSPITAL	- -	-
WOOLSTOCK	269 270	1953 -	M	X X	N	DRILLED WELL	- .070	- X	NONE (V 0.35)	- .03	X
WYOMING	797 795	1932 -	M	X X	N	DRILLED WELL	- .259	- X	NONE (V 0.25)	- .06	X
YALE	260 260	1962 X	M	X X	N	DRILLED WELL	- .144	X X	DH (V 0.60)	- .04	X
ZEARING	528 530	1921 1962	M	X X	N	ARTESIAN WELL	- .097	.144 X	IH-AT FPA FPZ DH KP (V 0.50)	- .04	X

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INVENTORY OF MUNICIPAL WATER FACILITIES

STATE KANSAS

COMMUNITY OR FACILITY	1950 Population Estimated Population Served	Year Oper. Started Present Supply Present Treatment Plant	OWNERSHIP	Number of Services Number of Meters	LAB. CONTROL	SOURCE OF SUPPLY	Safe Yield Impounded MGD Maximum Dependable Draft (Grd. water) MGD	Rated Plant Capacity MGD Average Plant Output MGD	TREATMENT	Distrib. Storage MG Pumped to Mains Gravity to Mains	IMPROVEMENTS NEEDED
1	2	3	4	5	6	7	8	9	10	11	12
ABILENE	6,746	1958	M	X	N	SHALLOW WELLS	-	5.300	DC	-	X
	8,000	1938		X			X	.900		.75	
AGENDA	124	1956	M	X	N	DEEP WELL	-	.070	DH	.01	U
	125	1956		X			X	.010		X	L
AGRA	277	1954	M	160	N	DEEP AND	-	.140	DH	-	X
	300	1950		150		SHALLOW WELLS	X	.030		.05	
ALEXANDER	153	1961	M	50	N	SHALLOW WELL	-	.150	DH	X	U
	150	X		50			X	.020		-	L
ALLEN	205	1949	M	60	N	2 SHALLOW WELLS	-	.040	DH	X	U
	200	1949		60			X	.010		.05	
ALMA	838	1955	M	X	N	8 SHALLOW WELLS	-	.200	DH	-	U
	800	1952		X			X	.050		.05	L
ALMENA	555	1953	M	X	N	2 SHALLOW WELLS	-	.720	DH KC	-	X
	600	X		X			X	.120		.09	
ALTAMONT	672	1953	M	X	N	2 IMP RESERVOIRS	X	.080	P-AT DC CAL TC MTP SO	.02	S
	700	1953		X		& SHALLOW WELL	X	.040	FRS DC	.05	
ALTA VISTA	400	1948	M	X	N	3 DEEP WELLS	-	.070	DH	-	U
	400	1953		X			X	.020		.05	
ALTON	299	1914	M	120	N	2 SHALLOW WELLS	-	.230	DH	-	X
	275	X		120			X	.030		.05	
ALTOONA	490	1916	M	250	N	VERDGRIS RIVER	X	.320	P-CAL DC MB SOB FRS DC	.05	
	540	1918		245			-	.030		.06	T
ANTHONY	2,744	1934	M	X	N	3 SHALLOW WELLS	-	1.220	DC	2.61	X
	2,600	X		X			X	.500		.15	
ARCADIA	507	1921	M	225	N	2 DEEP WELLS	-	.400	I-AT SO DH	.07	
	480	1944		X			X	.030		-	T L O
ARGONIA	553	1917	M	X	N	3 SHALLOW WELLS	-	.300	DH	-	X
	500	1945		X			X	.050		.05	
ARKANSAS CITY	14,262	1936	M	X	N	8 SHALLOW WELLS	-	4.320	KC DC VS	2.56	X
	14,500	1936		X			6.000	2.000		.25	
ARLINGTON	466	1931	M	237	N	2 SHALLOW WELLS	-	.700	DH	-	X
	480	1952		231			X	.041		.05	
ARMA	1,296	1914	M	701	C	2 DEEP WELLS	-	.600	H-AT CAL (MTPS SV)	.11	X
	1,500	1960		701			X	.071	FRS DC KC (V 1.00)	.07	
ASHLAND	1,312	1955	M	662	N	4 SHALLOW WELLS	-	2.100	DC	-	X
	1,400	1945		X			X	.260		.05	
ASSARIA	322	1954	M	X	N	2 SHALLOW WELLS	-	.350	DH	-	X
	325	1954		X			X	.030		.05	
ATCHISON	12,529	1880	M	X	A	MISSOURI RIVER	NO LIMIT	6.000	P-SO TC CA DC MTP SM DC	1.00	
	15,000	1950		X			-	2.200	CTL MTP 80 FRS DC	.55	D
ATLANTA	267	1959	M	X	N	2 SHALLOW WELLS	-	.072	DH	.06	X
	260	1944		X			X	X		.05	
ATTICA	845	1957	M	X	N	6 SHALLOW WELLS	-	.650	DH	-	X
	925	1956		X			X	.100		.15	
ATWOOD	1,906	1955	P	X	N	3 SHALLOW WELLS	-	1.500	DH	-	X
	1,800	1944		X			X	.400		.32	
AUGUSTA	6,434	1951	M	X	C	2 IMP RESERVOIRS	X	1.750	P-DC CALI MTP SOM TC FRS	1.10	S
	6,400	1954		X			-	.700	DC	.55	
AURORA	150	1928	M	X	N	2 DEEP WELLS	-	.086	DH	-	X
	160	1945		X			X	.020		.05	
AXTELL	493	1954	M	X	N	3 SHALLOW WELLS	-	.280	DH	-	X
	530	1954		X			X	.050		.05	
BALDWIN CITY	1,877	1961	M	X	N	15 SHALLOW WELLS	-	.400	DH	-	X
	1,875	X		X		AND 3 SPRINGS	X	.140		.20	
BARNARD	205	1957	M	X	N	2 SHALLOW WELLS	-	.070	DH	-	X
	245	1953		X			X	.020		.05	

INVENTORY OF MUNICIPAL WATER FACILITIES

STATE KANSAS

COMMUNITY OR FACILITY	1960 Population	Year Oper. Started	OWNERSHIP	Number of Services	LAB. CONTROL	SOURCE OF SUPPLY	Safe Yield Impounded MGD	Rated Plant Capacity MGD	TREATMENT	Distrib. Storage MG	IMPROVEMENTS NEEDED
	Estimated Population Served	Present Supply		Number of Meters			Maximum Dependable Draft (Grd. water) MGD	Average Plant Output MGD		Pumped to Mains	
		Present Treatment Plant								Gravity to Mains	
1	2	3	4	5	6	7	8	9	10	11	12
BARNES	247	1955	M	X	N	2 DEEP WELLS	-	.070	DH	-	X
	245	1955		X			X	.020		.05	
BARTLETT	137	1961	M	35	C	IMPOUNDING	X	.040	P-DC CAL (MTPS SV)FRS DH	.01	
	125	1961		35		RESERVOIR	-	.010		.01	L
BASSETT	67	X	M	X	N	IOLA	-	-	IOLA	-	-
	(65)	-		X			-	-		-	-
BAXTER SPRINGS	4,498	1952	M	X	C	3 DEEP WELLS	-	1.000	I-AT SC FPS DC	1.00	X
	4,550	1952		X			X	.750		.10	
BAZINE	429	1950	M	X	N	2 SHALLOW WELLS	-	.550	DH	-	X
	430	1950		X			X	.030		.05	
BEATTIE	314	1948	M	X	N	3 SHALLOW WELLS	-	.050	DH	-	X
	325	X		X			X	.010		.04	
BELLE PLAINE	1,579	1958	M	X	N	3 SHALLOW WELLS	-	1.200	DH	-	X
	1,600	1954		X			X	.160		.05	
BELLEVILLE	2,940	1929	M	X	X	2 DEEP WELLS	-	1.000	DC	.50	X
	3,100	X		X			X	.400		.50	
BELOIT	3,837	1919	M	X	C	SOLOMON RIVER	X	1.440	H-DC AT CALST MTP TC SMO	.50	
	4,020	1950		X			-	.400	R DC SMO R KC DC FRS DC	.21	T
BELPRE	211	1926	M	X	N	SHALLOW WELL	-	.350	DH	-	U
	200	X		X			X	.040		.04	
BELVUE	179	1962	M	X	N	SHALLOW WELL	-	.030	I-DH AC SO FRS DH	.02	
	175	1962		X			X	.010		.01	L
BENNINGTON	535	1962	M	X	N	3 SHALLOW WELLS	-	.360	DH	-	X
	650	X		X			X	.050		.05	
BENTON	452	1957	M	128	N	2 SHALLOW WELLS	-	.216	DH	-	X
	450	1952		128			X	.040		.03	
BERN	206	1955	M	X	N	2 DEEP WELLS	-	.060	DH KC	-	X
	190	1955		X			X	.008		.05	
BEVERLY	199	1960	M	X	N	SHALLOW WELL	-	.140	KC DH	-	X
	250	X		X			X	.010		.07	
BIRD CITY	678	1955	M	283	N	3 DEEP WELLS AND	-	.800	DH	-	X
	690	1955		X		1 SHALLOW WELL	X	.110		.05	
BISON	291	1936	M	130	N	2 SHALLOW WELLS	-	.190	DH	-	X
	300	1953		125			X	.030		.05	
BLUE MOUND	319	1960	M	107	N	IMP RESERVOIR	X	.040	P-FGS DH	.01	
	300	1960		107			-	.020		.05	T
BLUE RAPIDS	1,426	1934	M	550	N	2 SHALLOW WELLS	-	.690	KC DH	-	X
	1,525	1939		X			X	.150		.20	
BLUFF CITY	152	1962	M	61	N	SHALLOW WELL	-	.040	DH	-	
	150	X		61			X	.010		.01	L
BOGUE	234	1942	M	X	N	SHALLOW WELL	-	.180	DH	-	U
	255	1949		X			X	.030		.05	
BONNER SPRINGS	3,171	1951	M	1,000	N	2 SHALLOW WELLS	-	1.000	DC VA	-	X
	3,350	1951		X			X	.250		.50	
BREWSTER	317	1930	M	X	N	2 DEEP WELLS	-	.360	DH	-	X
	325	1951		X			X	.080		.05	
BRONSON	354	1958	M	175	N	IMP RESERVOIR	X	.040	P-DC FGS DC	.01	
	400	1958		175			-	.030		.05	T
BROOKVILLE	246	1961	M	X	N	3 SHALLOW WELLS	-	.200	KC DH	-	X
	300	1948		X			X	.020		.03	
BROWNELL	118	1953		X	N	SHALLOW WELL	-	.070	DH	.01	U
	130	1953		X			X	.020		-	L
BUCKLIN	752	1957	M	X	N	3 DEEP WELLS	-	1.100	DH	-	X
	750	1943		X			X	.120		.06	
BUFFALO	422	1960	M	119	N	WOODRUFF CREEK	X	.040	P-DH FGS DH	.01	S
	400	1960		100		/INFIL GALLERY/	X	.020		.09	T

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COMMUNITY OR FACILITY	1960 Population Estimated Population Served	Year Oper. Started: Present Supply Present Treatment Plant	OWNERSHIP	Number of Services Number of Meters	LAB. CONTROL	SOURCE OF SUPPLY	Safe Yield Impounded MGD Maximum Dependable Draft (Grd. water) MGD	Rated Plant Capacity MGD Average Plant Output MGD	TREATMENT	Distrib. Storage MG: Pumped to Mains Gravity to Mains	IMPROVEMENTS NEEDED
1	2	3	4	5	6	7	8	9	10	11	12
BUHLER	888 900	1938 1949	M	X 329	C	2 DEEP WELLS	- X	.288 .100	H-AS DC CALS (HTPS SV)R FRS	.22 .05	T
BUNKER HILL	200 200	1949 1953	M	65 0	N	DEEP WELL	- X	.050 .040	KC DH	- .05	U
BURDEN	580 589	1911 1944	M	X X	N	SPRING	- X	.070 .050	DC	.13 .05	US
BURLINGAME	1,151 1,125	1913 1934	M	X X	N	DRAGOON CREEK 2 IMPOUNDMENTS	X -	.360 .090	P-DC CAL TC MB SO FRS DC	.09 .06	S T
BURLINGTON	2,113 2,200	1900 1914	M	X X	C	NEOSHO RIVER	X -	.540 .200	P-AT DC CAL MB SO FRS DC VS	.09 .20	T
BURNS	314 290	1959 X	M	X X	N	3 DEEP WELLS	- X	.240 .030	DH (V 1.00)	- .05	N
BURR OAK	473 400	1956 1945	M	X X	N	4 SHALLOW WELLS	- X	.140 .030	DH	- .05	N
BURRTON	774 800	1956 X	M	440 430	N	3 SHALLOW WELLS	- X	.550 .067	DH	- .05	N
BUSHTON	499 600	1954 1953	M	200 X	N	3 SHALLOW WELLS	- X	.340 .100	DH	- .05	N
CALDWELL	1,786 1,675	1955 X	P	X X	N	12 SHALLOW WELLS	- X	.500 .180	DC	.12 .19	X
CAMBRIDGE	140 140	1962 1962	M	50 50	N	SHALLOW WELL	- X	.040 .010	H-FZ KP DH	- .02	U
CANEY	2,682 2,700	1907 1921	M	1,212 1,212	C	LITTLE CANEY RIVER	X -	.890 .300	P-DC CAL MB SO FRS DC	- .22	T
CANTON	784 825	1956 1950	M	X X	N	4 DEEP WELLS	- X	.860 .090	DCH	- .15	X
CAPALDO	20 125	1915 X	M	36 36	N	DEEP WELL	- X	.025 .010	AT SO DC	.02 -	T L O
CARBONDALE	664 300	1953 1961	M	X X	N	IMP RESERVOIR	X -	.040 .030	P-FGS DH (CAL SO)FPS DH	.01 .05	N
CAWKER CITY	686 730	1956 1945	M	X X	N	2 SHALLOW WELLS	- X	.570 .070	DH	- .08	U
CEDAR VALE	859 925	1959 1959	M	X X	N	CANEY RIVER AND 5 SHALLOW WELLS	X X	.250 .100	P-DH CAL MHP SO FRS DC	.02 .08	T
CENTRALIA	527 530	1960 1952	M	X X	N	5 SHALLOW WELLS	- X	.130 .040	DH	- .05	N
CHANUTE	10,849 11,500	1895 1960	M	X X	C	NEOSHO RIVER	X -	3.140 1.500	PH-DC CALST SOH TC NTP SOH R SO DC R VS FRS DC	.22 .75	X
CHAPMAN	1,095 1,300	1961 1939	M	X X	N	3 SHALLOW WELLS	- X	1.000 .017	DH	- .10	N
CHASE	922 1,050	1953 1953	M	X X	N	2 SHALLOW WELLS	- X	.860 .150	DH	- .05	U
CHENEY	1,101 1,000	1955 1951	M	X X	N	4 SHALLOW WELLS	- X	.430 .100	DH	- .04	X
CHEROKEE	797 800	1896 1945	M	315 315	N	2 DEEP WELLS	- X	.580 .060	I-AT SO DH	.30 .06	T
CHERRYVALE	2,783 3,000	1911 1939	M	X X	N	VERDIGRIS RIVER	X -	1.000 .280	PH-SO CLS TC MPT SBM SO R CA SO DC FRS DC	.09 .12	T
CHETOPA	1,538 1,590	1906 1939	M	663 X	N	NEOSHO RIVER	X -	.570 .198	P-AT CAL DC MP SO TC FRS DC	.04 .05	T L
CIMARRON	1,115 1,100	1953 1953	M	X X	N	4 DEEP WELLS	- X	1.440 .220	DH (V 0.80)	- .1[illegible]	X
CIRCLEVILLE	151 150	1958 X	M	X X	N	2 SHALLOW WELLS	- X	.050 .010	DH (V 0.80)	- .05	U
CLAFLIN	891 900	1947 X	M	X X	N	3 DEEP WELLS	- X	.790 .090	DH	- .05	N

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COMMUNITY OR FACILITY	1960 Population Estimated Population Served	Year Oper. Started: Present Supply Present Treatment Plant	OWNERSHIP	Number of Services Number of Meters	LAB. CONTROL	SOURCE OF SUPPLY	Safe Yield Impounded MGD Maximum Dependable Draft (Grd. water) MGD	Rated Plant Capacity MGD Average Plant Output MGD	TREATMENT	Distrib. Storage MG: Pumped to Mains Gravity to Mains	IMPROVEMENTS NEEDED
1	2	3	4	5	6	7	8	9	10	11	12
CLAY CENTER	4,613 4,800	1962 1936	M	X X	N	4 SHALLOW WELLS	- X	3.500 .800	DH KC	- .50	N
CLAYTON	161 125	1937 1952	M	X X	N	2 SHALLOW WELLS	- X	.280 .020	DH	- .05	X
CLEARWATER	1,073 1,120	1953 1951	M	X X	N	2 SHALLOW WELLS	- X	.650 .100	DH VA (V 1.00)	- .05	X
CLIFTON	746 780	1951 1948	M	X X	N	2 SHALLOW WELLS	- X	.360 .100	H-FZ KOP DC	- .08	O
CLYDE	1,025 1,000	1955 1937	M	X X	C	2 DEEP WELLS	- X	.600 .150	H-CAL MBP SO R SO R DC FRS DC	.06 .11	T L
COATS	152 150	1955 1955	M	X X	N	DEEP WELL	- X	.144 .030	DH	- .05	U
COFFEYVILLE	17,382 19,350	1895 1935	M	X X	C	VERDIGRIS RIVER /IMPOUNDED/	X -	7.500 2.000	PH-CALS DC TC MAP SOM R SO TC R FRS DC VS	.17 6.10	T
COLBY	4,210 4,500	1960 1953	M	X X	N	5 DEEP WELLS	- X	5.200 .800	DC (V 1.50)	.50 .07	X
COLDWATER	1,164 1,100	1955 1945	P	X X	N	4 DEEP WELLS	- X	1.120 .170	DC	.05 .05	X
COLLYER	233 200	1931 X	M	X X	N	2 DEEP WELLS	- X	.080 .020	DH	- .05	U
COLONY	419 400	1922 1922	M	X X	N	DEER CREEK /IMPOUNDED/	X -	.144 .040	P-CAL DC VT MB SO MB FRS DC	.04 .05	S T
COLUMBUS	3,395 3,700	X 1940	M	X X	N	WELLS	- X	.650 .350	I-AT SO SC DC SC	.50 .13	X
CONCORDIA	7,022 7,300	1956 1938	M	X X	N	14 SHALLOW WELLS	- X	3.500 1.000	DC	.30 .83	N
CONWAY SPRINGS	1,057 1,055	X 1910	P	X X	N	WELLS	- X	.510 .120	DH	- .07	X
COOLIDGE	117 120	1958 X	M	X X	N	DEEP WELL	- X	.100 .020	DH (V 1.10)	.02 X	J L
COPELAND	247 240	1935 X	M	X X	N	2 DEEP WELLS	- X	.390 X	DH	- .04	T
CORNING	240 200	1961 X	M	X X	N	SHALLOW WELL	- X	.030 .010	KC DH	- .05	T
COTTONWOOD FALLS	971 1,000	1961 1949	M	X X	N	5 SHALLOW WELLS	- X	.450 .090	DC	.60 .08	T
COUNCIL GROVE	2,664 2,700	1941 1955	M	X X	C	CITY LAKE AND NEOSHO RIVER	X -	1.150 .350	P-AT DC CAL TC MTP SO DC VS FRS	.10 .50	N
COUNTRYSIDE	428 (415)	X -	M	X X	N	JOHNSON CO WD 1	- -	- -	JOHNSON CO W D 1	- -	-
COURTLAND	384 300	1948 1948	M	X X	N	WELLS	- X	.250 .036	DH KCP	- .04	X
COWLEY COUNTY RURAL WATER D 1	- 500	1957 X	M	150 150	N	SHALLOW WELL	- X	.280 .026	DH	- .10	T
CRAWFORD COUNTY RURAL WATER D 1	- (100)	1962 -	M	30 30	N	FRONTENAC	- -	- -	FRONTENAC	- -	
CRAWFORD COUNTY RURAL WATER D 2	- 300	1962 1962	M	130 130	N	DEEP WELL	- X	.020 X	AM SV FRS DH (V 2.60)	.01 .03	U
CRAWFORD COUNTY RURAL WATER D 3	- 300	1962 1962	M	X X	N	DEEP WELL	- X	.070 .020	AM SC (V 2.40)	.02 -	T
CUBA	336 335	1959 X	M	X X	N	3 DEEP WELLS	- X	.070 .020	DH	.03 .05	US
CULLISON	129 130	1958 X	M	X X	N	2 DEEP WELLS	- X	1.000 .020	DH	- .05	N
CULVER	200 200	1960 X	M	55 X	N	SHALLOW WELL	- X	.030 .010	KC DH	- .01	U T

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COMMUNITY OR FACILITY 1	1960 Population Estimated Population Served 2	Year Oper. Started Present Supply Present Treatment Plant 3	OWNERSHIP 4	Number of Services Number of Meters 5	LAB. CONTROL 6	SOURCE OF SUPPLY 7	Safe Yield Impounded MGD Maximum Dependable Draft (Grd. water) MGD 8	Rated Plant Capacity MGD Average Plant Output MGD 9	TREATMENT 10	Distrib. Storage MG Pumped to Mains Gravity to Mains 11	IMPROVEMENTS NEEDED 12
CUNNINGHAM	618 620	1935 1944	M	X X	N	WELLS	- X	.750 .030	DH	- .05	X
DAMAR	361 200	1942 1952	M	X X	N	WELL	- X	.135 .020	DH	- .02	X
DEERFIELD	442 400	1961 1949	M	X X	N	3 DEEP WELLS	- X	.576 .050	DH	- .04	N
DELIA	163 160	1957 X	M	X X	N	2 SHALLOW WELLS	- X	.040 .010	DH	- .05	T
DELPHOS	619 650	1957 1946	M	X X	N	4 SHALLOW WELLS	- X	.280 .070	DH	- .05	U
DENISON	184 175	1957 X	M	X X	X	3 SHALLOW WELLS	- X	.040 .015	DH	- .05	T
DERBY /EL PASO/	6,458 6,455	1953 1953	P	X X	N	WELL	- X	.072 X	DH	- .05	X
DE SOTO	1,271 1,475	1957 1957	P	X X	N	2 SHALLOW WELLS	- X	.520 .140	I-DC AC CL SO FRA	.20 .05	T
DEXTER	291 280	1928 X	M	X X	N	SHALLOW WELL	- X	.140 .020	DH	- .10	U
DIGHTON	1,526 1,550	1962 1953	M	X X	N	5 DEEP WELLS	- X	2.000 .300	DH	.10 .05	N
DODGE CITY	13,520 13,250	1960 X	M	X 4,100	N	9 DEEP WELLS	- X	10.000 2.000	DCH	- 1.00	G
DORRANCE	331 330	1954 1950	M	X X	N	WELL	- X	.350 .040	DH	- .05	X
DOUGLASS	1,058 1,075	1956 1945	M	X X	N	DEEP WELLS	- X	.280 .080	DH	- .25	U
DOWNS	1,206 1,300	1956 X	M	480 480	N	4 SHALLOW WELLS	- X	.600 .200	DH	- .28	X
DWIGHT	281 300	1956 X	M	X X	N	2 SHALLOW WELLS	- X	.072 .020	DH	- .15	X
EASTBOROUGH	1,001 (855)	X -	X	X X	N	WICHITA	- -	- -	WICHITA	- -	-
EASTON	320 350	1958 1958	M	X X	N	SHALLOW WELL	- X	.072 X	I-AC DH CA SC FPS FPZ	- .05	T
EDGERTON	414 380	1960 1960	M	X X	N	IMP RESERVOIR	Y -	.080 .030	P-DC CAL MTP SO FRS	.04 .05	N
EDNA	442 440	1954 1954	M	X X	N	IMP RESERVOIR	X -	.070 X	P-CSA DC MIP SO DC FRS DC	.03 .03	X
EDWARDSVILLE	513 (400)	X -	M	X X	N	KANSAS CITY KANSAS	- -	- -	KANSAS CITY KANSAS	- -	-
EFFINGHAM	564 500	1949 X	M	X X	N	2 DEEP WELLS	- X	.086 .040	DH	- .05	X
EL DORADO	12,523 12,600	1955 1937	M	X X	A	2 IMP RESERVOIRS AND WALNUT RIVER	X -	2.500 1.500	PH-AS DC CAS TC MBP SOM CL SO TC R DC VS FRS	.50 .37	T
ELGIN	148 125	1922 1950	M	X X	N	WELLS	- X	.170 .020	DH	.05 .05	X
ELK CITY	498 500	1920 1920	M	X X	N	ELK RIVER	X -	.210 .030	P-CAL MH SOB T FRS DC	.03 .06	X
ELKHART	1,780 2,000	1962 X	M	X X	N	7 DEEP WELLS	- X	1.152 .250	DC	.15 .10	X
ELLINWOOD	2,729 2,730	1908 1951	M	X X	N	WELLS	- X	1.870 .420	DH	- .05	X
ELLIS	2,218 1,800	1905 1945	M	X X	N	WELLS	- X	1.870 X	DH	- .02	X
ELLSWORTH	2,361 2,500	1955 1950	M	X X	C	6 SHALLOW WELLS	- X	1.000 .350	H-DC CALS (MTPS SV) R DC FRS	.04 .55	X

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COMMUNITY OR FACILITY	1960 Population Estimated Population Served	Year Oper. Started Present Supply Present Treatment Plant	OWNERSHIP	Number of Services Number of Meters	LAB CONTROL	SOURCE OF SUPPLY	Safe Yield Impounded MGD Maximum Dependable Draft (Grd. water) MGD	Rated Plant Capacity MGD Average Plant Output MGD	TREATMENT	Distrib. Storage MG Pumped to Mains Gravity to Mains	IMPROVEMENTS NEEDED
1	2	3	4	5	6	7	8	9	10	11	12
ELMDALE	114	1948	M	53	N	2 SHALLOW WELLS	-	.040	KC DH	.01	
	100	X		53			X	.010		-	T L
ELWOOD	1,191	1959	M	X	C	2 SHALLOW WELLS	-	.290	HI-AM CAL DC (HTPS SV)	.04	N
	1,300	1962		X			X	.130	R FRS	.05	
EMMETT	128	1957	M	X	N	SHALLOW WELL	-	.030	DH	-	U
	150	X		X			X	.010		.04	
EMPORIA	18,190	1887	M	6,000	A	NEOSHO R L KAHOLA	X	4.500	PH-DC SM CALO HTP SM R	.09	
	20,000	1950		X		AND COTTONWOOD R	-	2.000	TC CA MP SO R VS FRA DC	3.06	DL
ENGLEWOOD	243	1912	M	X	X	WELLS	-	1.010	DH	-	X
	245	X		X			X	X		.05	
ENSIGN	255	1949	M	X	X	WELL	-	.140	DH	X	X
	255	1949		X			X	.020		X	
ENTERPRISE	1,015	1952	M	X	C	WELLS	-	.320	H-FZ KP DC	-	X
	1,120	1948		X			X	.120		.05	
ERIE	1,309	X	M	X	C	NEOSHO RIVER AND	X	.620	PH-AT CALS T HTP SOB R	.04	X
	1,600	1920		X		SHALLOW WELL	X	X	DC MB SOB R FRS DC	.07	
ESBON	237	1954	M	X	N	WELLS	-	.030	DH	-	X
	300	1954		X			X	.020		.05	
ESKRIDGE	519	1949	M	X	N	WELLS	-	.070	DH	-	X
	540	1949		X			X	.035		.05	
EUDORA	1,526	1950	M	500	N	2 SHALLOW WELLS	-	.360	I-DH AC MB SO FRS DH	.07	X
	1,565	1950		500			X	.130		.05	
EUREKA	4,055	X	M	X	N	LAKE EUREKA AND	X	.350	P-CAL DC MB TC MP	.06	X
	4,000	1943		X		FALL RIVER	-	.350	SOB SO FRS DC VS	.27	
EVEREST	348	1921	M	X	N	WELLS	-	.140	DH	-	X
	350	1953		X			X	.040		.05	
FAIRWAY	5,398	X	B	X	N	JOHNSON CO	-	-	JOHNSON CO W D 1	-	-
	(5,375)	-		X		W DIST 1	-	-		-	
FALL RIVER	226	1956	M	100	N	3 SHALLOW WELLS	-	.070	KC DH	-	J
	225	1950		100			X	.010		.07	
FLORENCE	853	1921	M	X	N	SPRING	-	.500	DC	-	X
	850	1921		X			X	.080		.06	
FONTANA	138	1960	M	68	N	SHALLOW WELL	-	.020	KC DH	-	X
	150	X		68			X	.010		.01	
FORMOSO	192	1957	M	X	N	2 SHALLOW WELLS	-	.080	DH	-	J
	225	1953		X			X	.020		.05	
FORT SCOTT	9,410	1959	M	3,400	C	MARMATON R L FT	X	3.450	PH-CL MA SO CAL TC	.04	
	10,500	1936		X		SCOTT ROCK CR 1	-	1.300	DC MA SO FRS VS DC	1.50	T
FOWLER	717	1950	M	250	N	2 DEEP WELLS	-	1.100	DH	-	
	715	X		X			X	.150		.10	D
FRANKFORT	1,106	1948	M	480	N	2 DEEP WELLS	-	.600	DH	-	N
	1,105	1945		480			X	.100		.05	
FREDONIA	3,233	1889	M	1,055	C	FALL RIVER IMP	X	2.080	PH-CALS DC TC HTP S MO R	.05	
	4,000	1939		1,055			-	.500	CA MP SO R SO FRS DC VS	.38	T
* FRONTENAC	1,713	1906	M	700	N	2 DEEP WELLS	-	.575	AT SO DC	.30	
	2,000	1946		700			X	.175		.08	O
FULTON	207	1962	M	70	N	2 SHALLOW WELLS	-	.030	KC DH	-	X
	200	X		70			X	.010		.03	
GALENA	3,827	1957	M	X	N	3 DEEP WELLS	-	-	NONE	.40	
	3,900	-		1,480			X	.350		.10	T
GALESBURG	128	1957	M	65	N	LABETTE CREEK	X	.065	P-DC CAL MP SO FRS DC	.10	
	140	1957		65		IMPOUNDMENT	-	.020		-	L
GALVA	442	1948	M	X	N	3 SHALLOW WELLS	-	.320	DH	-	N
	450	1949		X			X	.050		.05	
GARDEN CITY	11,811	1955	M	X	N	8 DEEP WELLS	-	7.000	DC	-	X
	12,550	1953		X			X	2.000		.50	

INVENTORY OF MUNICIPAL WATER FACILITIES

STATE KANSAS

COMMUNITY OR FACILITY	1960 Population Estimated Population Served	Year Oper. Started Present Supply Present Treatment Plant	OWNERSHIP	Number of Services Number of Meters	LAB. CONTROL	SOURCE OF SUPPLY	Safe Yield Impounded MGD Maximum Dependable Draft (Grd. water) MGD	Rated Plant Capacity MGD Average Plant Output MGD	TREATMENT	Distrib. Storage MG Pumped to Mains Gravity to Mains	IMPROVEMENTS NEEDED
1	2	3	4	5	6	7	8	9	10	11	12
GARDNER	1.619	1946	M	642	N	LAKE GARDNER	X	.360	P-DC CAL TC MTS SM	.40	X
	1.575	1959		642			-	.150	FRS DC	.05	
GARNETT	3.034	1937	M	X	C	CEDAR CREEK /IMP/	X	1.000	PH-CALS TC MHP SMO R	.16	X
	3.125	1948		X		AND LAKES	-	.320	SO R DC FRS DC VA	.15	
GAS	342	X	M	X	N	IOLA	-	-	IOLA	-	-
	(398)	-		X			-	-		-	
GAYLORD	239	1924	M	X	N	WELLS	-	.130	DH	-	X
	200	1949		X			X	.030		.05	
GENESEO	558	1958	M	230	N	5 SHALLOW WELLS	-	.200	DH	-	N
	600	1954		X			X	.080		.05	
GEUDA SPRINGS	223	1918	M	X	N	WELL	-	.070	DH	-	X
	190	1951		X			X	.010		.02	
GIRARD	2.350	1946	M	X	C	2 DEEP WELLS	-	.505	M-AT SO CAL(MTPS SV)	.95	
	2.500	1957		X			X	.250	R DC FRS DC (V 0.00)	.08	D
GLADE	133	1962	M	X	N	SHALLOW WELL	-	.070	DH	-	
	150	X		X			X	.010		-	L
GLASCO	812	1958	M	X	N	3 SHALLOW WELLS	-	.500	DH	-	J
	800	1950		X			X	.090		.05	
GLEN ELDER	444	1935	M	X	N	2 SHALLOW WELLS	-	.500	DH	-	J
	425	X		X			X	.060		.05	
GODDARD	533	1960	M	X	N	2 SHALLOW WELLS	-	.070	DH	-	X
	535	1957		X			X	X		.05	
GOFF	259	1946	M	X	N	SHALLOW WELLS	-	.150	DH	-	X
	250	X		X			X	.010		.05	
GOODLAND	4,459	1960	M	X	N	6 DEEP WELLS	-	2.950	DC	-	X
	4.460	1940		X			X	.900		.25	
GORHAM	429	1955	M	X	N	WELLS	-	.160	DH	-	X
	430	1952		X			X	.030		.05	
GOVE CITY	228	1962	M	70	N	2 SHALLOW WELLS	-	.300	DH	-	
	240	1954		66			X	.020		-	L
GRAINFIELD	389	1930	M	X	N	WELLS	-	.280	DH	-	X
	390	1951		X			X	.100		.05	
GREAT BEND	16.670	1962	P	4,460	N	7 SHALLOW WELLS	-	9.100	DC	-	
	17.800	1920		4,460			X	2.000		-	L
GREELEY	415	1959	M	135	N	2 SHALLOW WELLS	-	.030	DH	-	J
	400	X		58			X	.020		.05	
GREEN	190	1956	M	X	N	3 DEEP WELLS	-	.050	DH	-	N
	200	X		X			X	.010		.05	
GREENLEAF	562	1960	M	X	N	4 SHALLOW WELLS	-	.250	DH	-	X
	560	1946		X			X	.060		.10	
GREENSBURG	1.988	1926	M	X	N	5 DEEP WELLS	-	1.250	DC	.03	X
	2.160	1953		X			X	.150		.05	
GRENOLA	349	1949	M	X	N	CANEY RIVER	X	.140	P-CAL MT SO DH FRS	.02	X
	350	1949		X			-	.030		-	
GRIDLEY	321	1960	M	126	N	IMP RESERVOIR	X	.040	P-FGS DH	-	
	320	1960		126			-	.015		.05	T
GRINNELL	396	1955	M	160	N	2 DEEP WELLS	-	.200	DH	-	X
	430	X		160			X	.050		.05	
GYPSUM	593	1955	M	X	N	5 SHALLOW WELLS	-	.350	DH	.10	X
	525	1955		X			X	.060		.05	
HADDAM	311	1957	M	X	N	3 SHALLOW WELLS	-	.086	DH	-	X
	300	1948		X			X	.030		.05	
HALSTEAD	1.598	1958	M	X	N	2 DEEP WELLS	-	1.440	DC	-	N
	1.625	X		X			X	.200		.05	
HAMILTON	400	1936	M	160	N	4 SHALLOW WELLS	-	.200	DH	-	U
	400	1948		160			X	.040		.05	T

INVENTORY OF MUNICIPAL WATER FACILITIES

STATE KANSAS

COMMUNITY OR FACILITY 1	1960 Population Estimated Population Served 2	Year Opns. Started Present Supply Present Treatment Plant 3	OWNERSHIP 4	Number of Services Number of Meters 5	LAB. CONTROL 6	SOURCE OF SUPPLY 7	Safe Yield Impounded MGD Maximum Dependable Draft (Grd. water) MGD 8	Rated Plant Capacity MGD Average Plant Output MGD 9	TREATMENT 10	Distrib. Storage MG Pumped to Mains Gravity to Mains 11	IMPROVEMENTS NEEDED 12
HANOVER	773 800	1949 1935	M	X X	N	4 SHALLOW WELLS	- X	.330 .080	H-AS CLS MB SO R SO R FRS DH	.04 .06	T
HARDTNER	372 380	1961 X	M	X X	N	3 DEEP WELLS	- X	.324 .050	DH	- .05	T
HARPER	1.899 1.900	1907 X	M	X X	N	WELLS	- X	1.550 .380	DH	- .15	X
HARTFORD	337 325	1955 1955	M	X X	N	NEOSHO RIVER AND SHALLOW WELL	X X	.070 .030	P-CLI DH HP SV FRS DH	- .05	T
HARVEYVILLE	204 200	1960 1960	M	117 117	N	IMP RESERVOIR	X -	.030 .010	P-FGS DH	- .02	T
HAVEN	982 980	1922 1949	M	X X	N	WELLS	- X	.650 .050	DH	- .08	X
HAVENSVILLE	166 165	1938 X	M	X X	N	WELL	- X	.110 .020	DH	- .02	X
HAVILAND	725 725	1955 X	M	X X	N	3 DEEP WELLS	- X	.720 .070	DH	- .05	T
HAYES	11.947 11.950	1944 1951	M	X X	C	WELLS	- X	3.000 1.500	HI-AT CALS (HTPS SV) R SO R DC K FRS VS	.55 .60	X
HAYSVILLE	5.836 5.835	1954 1956	M	X X	C	WELLS	- X	X X	HI-CALS (HTPS SV) R SO R DC FRS	.06 .10	X
HAZELTON	246 200	1936 1953	M	X X	N	WELL	- X	.070 .020	DH	- .05	X
HERINGTON	3.702 3.800	1924 1924	M	X X	N	IMP RESERVOIR	X -	1.040 .500	P-SO AT CAL TC MB SO FRS VS	.50 .30	S T
HERNDON	339 340	1935 X	M	X X	N	WELLS	- X	.320 .040	DHC	.10 .05	X
HESSTON	1.103 1.105	1950 1945	M	X X	N	WELLS	- X	.940 X	DH KC	- .05	X
HIAWATHA	3.391 3.390	1947 X	M	X X	N	SPRINGS AND WELLS	- X	.900 .300	DHC	.09 .50	X
HIGHLAND	755 725	1961 X	M	X X	N	2 SHALLOW WELLS	- X	.280 .070	DH	- .05	N
HILL CITY	2.421 2.420	1912 1945	M	X X	X	WELLS	- X	2.200 .500	DC	- .08	X
HILLSBORO	2.441 2.440	1951 X	M	X X	N	WELLS	- X	.440 .160	DH	.80 .07	X
HOISINGTON	4.248 4.250	X 1935	M	X X	N	WELLS	- X	.750 .530	H-CL MHP SO R SO FRS DC	.21 .40	X
HOLCOM	270 200	1962 X	M	X X	N	DEEP WELL	- X	.140 .010	DH (V 0.80)	- -	L
HOLTON	3.028 3.030	1907 1950	M	X X	C	SPRINGS WELLS AND IMP RESERVOIR	X X	.520 .190	P-DC CAL HP SO KC FRS KC DC	.25 .30	X
HOLYROOD	737 840	1956 1953	M	X X	N	WELLS	- X	.500 .100	DH	- .05	X
HOPE	463 500	1955 1953	M	X X	N	WELLS	- X	.250 .070	DH	.03 .05	X
HORACE	195 175	1948 X	M	X X	N	3 SHALLOW WELLS	- X	.144 .030	DH	- .05	X
HORTON	2.361 2.800	X 1937	M	X X	C	IMP RESERVOIR	X -	1.270 .250	P-AS DC CAL MHP SO MH SOB FRS DC VA	.18 .50	X
HOWARD	1.017 1.000	1936 1922	M	X X	N	IMP RESERVOIR	X -	.275 .110	P-CAL DC TC MB SO FRS DC	.15 .05	S T
HOXIE	1.289 1.290	1922 1952	M	X X	N	WELLS	- X	.860 .300	DH	- .05	X
HOYT	283 300	1957 X	M	85 85	N	3 SHALLOW WELLS	- X	.020 X	DH	- .05	J

INVENTORY OF MUNICIPAL WATER FACILITIES

STATE **KANSAS**

COMMUNITY OR FACILITY	1960 Population	Year Oper. Started	OWNERSHIP	Number of Services	LAB. CONTROL	SOURCE OF SUPPLY	Safe Yield Impounded MGD	Rated Plant Capacity MGD	TREATMENT	Distrib. Storage MG	IMPROVEMENTS NEEDED
	Estimated Population Served	Present Supply Present Treatment Plant		Number of Meters			Maximum Dependable Draft (Grd. water) MGD	Average Plant Output MGD		Pumped to Mains Gravity to Mains	
1	2	3	4	5	6	7	8	9	10	11	12
HUGOTON	2,912	1931	M	X	N	WELLS	-	2.900	DC	.40	X
	2,910	1945		X			X	X		.04	
HUMBOLDT	2,285	1905	M	X	N	NEOSHO RIVER	X	.940	P-AT DC CAL DC MB SO	.14	X
	2,285	1926		X			-	.250	FRS DC	.07	
HUNTER	229	1955	M	X	N	WELLS	-	.070	DH	-	X
	230	1955		X			X	.020		.01	
HUTCHINSON	37,574	1887	P	9,627	X	12 WELLS	-	15.000	DC	X	MP
	37,575	1958		10,425			X	7.000		16.00	D
IDANA	100	1957	P	X	N	3 SHALLOW WELLS	-	.019	DH	.01	J
	80	1953		X			X	.006		-	L
INDEPENDENCE	11,222	1906	M	X	C	ELK AND VERDIGRIS	X	3.450	PH-CL MH CA MH SOB T	.57	X
	13,000	1950		X		RIVERS IMP	-	1.500	SOB FRS DC VS	X	
INMAN	729	1936	M	X	N	2 SHALLOW WELLS	-	.430	DH	-	X
	775	X		X			X	.100		.05	
• IOLA	6,885	1900	M	X	C	NEOSHO RIVER	X	2.070	PH-CA DC SO CLS TC MP SO	.19	
	8,550	1948		X			-	1.000	R SO R DC FRS DC VA NC	.63	T
ISABEL	181	1959	M	X	N	2 DEEP WELLS	-	.144	DH	-	X
	175	X		X			X	.017		.05	
JAMESTOWN	422	1960	M	X	N	3 DEEP WELLS	-	.288	DH	.10	X
	450	X		X			X	.040		.03	
JEFFERSON COUNTY	-	1958	M	X	N	SHALLOW WELL	-	.200	KC DH	-	
RURAL WATER D 1	750	X		X			X	X		.13	T
JENNINGS	292	1927	M	X	N	WELL	-	.290	DH	-	X
	280	1949		X			X	.030		.04	
JETMORE	1,028	1914	M	X	N	WELLS	-	.760	DH	.08	X
	1,050	1952		X			X	.220		.05	
JEWELL	582	1956	M	X	C	WELLS	-	.100	PH-DC CAL MTB SO	.02	X
	625	1952		X			X	.050	R FRS	.05	
JOHNSON CITY	860	1961	M	X	N	3 DEEP WELLS	-	1.440	DC	-	
	975	X		X			X	.190		.05	D
JOHNSON COUNTY	-	1961	M	X	N	SHALLOW WELL	-	.100	I-DH CS FPAS	-	X
RURAL WATER D 1	325	1963		X			X	.030		.05	
• JOHNSON COUNTY	-	1956	M	31,400	C	21 SHALLOW WELLS	-	13.500	HI-AS DC CLO (MTPS SV)	5.68	SM
WATER DISTRICT 1	110,000	1961		31,400			13.500	8.000	KC DC FRAS	2.57	D
JUNCTION CITY	18,700	1961	M	X	C	7 SHALLOW WELLS	-	6.000	HI-DC AT CAOT (MTPS SV)	.20	X
	20,750	1962		X			X	2.500	R SO R FRS DC VS	2.50	
KANOPOLIS	732	1957	M	X	N	WELLS	-	.300	DH	-	X
	780	1944		X			X	.070		.05	
KANORADO	245	1957	M	X	N	WELL	-	X	DH	-	X
	200	X		X			X	.040		.05	
• KANSAS CITY	121,901	1883	M	X	A	MISSOURI RIVER	X	60.000	P-SM CALT TC MHP SM DCS	.85	X
	175,000	1957		X			-	31.000	CALO MTB SO FRS (V0.50)	18.00	
KENSINGTON	619	1960	M	190	N	8 SHALLOW WELLS	-	.300	DH	-	U
	675	1955		190			.300	.075		.08	
KINGMAN	3,582	1961	M	X	N	SPRINGS AND WELLS	-	1.080	DCH	.54	X
	3,950	1948		X			X	.550		.50	
KINSLEY	2,263	1936	M	X	N	2 SHALLOW WELLS	-	1.150	DC	.35	J
	2,500	X		X			X	.300		.35	D
KIOWA	1,674	1962	P	X	N	2 DEEP WELLS	-	1.000	DHC	-	US
	1,600	1952		X		4 SHALLOW WELLS	X	.250		.08	
KIRWIN	356	1910	M	X	N	WELL	-	.290	DH	-	X
	350	1948		X			X	X		.08	
KISMET	150	1933	M	X	N	WELL	-	.070	DH	-	X
	175	X		X			X	.020		.04	
LA CROSSE	1,767	1923	M	X	N	WELLS	-	1.250	DH	-	X
	1,500	1944		X			X	.150		.06	

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STATE KANSAS

COMMUNITY OR FACILITY	1960 Population Estimated Population Served	Year Oper. Started Present Supply Present Treatment Plant	OWNERSHIP	Number of Services Number of Meters	LAB. CONTROL	SOURCE OF SUPPLY	Safe Yield Impounded MGD Maximum Dependable Draft (Grd. water) MGD	Rated Plant Capacity MGD Average Plant Output MGD	TREATMENT	Distrib. Storage MG Pumped to Mains Gravity to Mains	IMPROVEMENTS NEEDED
1	2	3	4	5	6	7	8	9	10	11	12
LA CYGNE	810	1936	M	325	N	2 SHALLOW WELLS	-	.280	DH	-	
	835	1912		325			X	.085		.06	TD
LA HARPE	529	1935	M	X	N	IOLA	-	-	IOLA	-	-
	(575)	-		X			-	-		-	
LAKIN	1,432	1961	M	X	X	3 DEEP WELLS	-	1.700	DH	X	X
	1,400	X		X			X	.160		.22	
LANE	282	1951	M	107	N	SHALLOW WELL	-	.120	DH	-	U
	300	1951		107			X	.015		.05	
LARNED	5,001	1936	M	X	N	WELLS	-	5.000	DH	-	X
	5,100	X		X			X	1.500		.50	
LAWRENCE	32,858	1919	M	9,000	A	KANSAS RIVER	NO LIMIT	11.000	PH-DC CALST MTP SOM R DC	1.28	X
	35,000	1959		9,000		5 SHALLOW WELLS	1.650	4.700	TC FRAS VS KC DC	2.36	
LEAVENWORTH	22,052	X	M	X	A	MISSOURI RIVER	NO LIMIT	4.150	PH-SM SO CALS MAP SM R	.17	X
	23,600	1950		X			-	2.400	MA DC SO DC R SM FRS	5.00	
LEAWOOD	7,466	X	M	X	N	JOHNSON CO	-	-	JOHNSON CO	-	-
	(8,820)	-		X		W DIST 1	-	-	W DIST 1	-	
LEBANON	583	1938	M	250	N	3 SHALLOW WELLS	-	.400	DH	-	X
	575	X		225			X	.100		.05	
LEBO	498	1959	M	200	N	IMP RESERVOIR	X	.086	FGS DH	.01	S
	500	1959		200			-	.030		.05	T G
LECOMPTON	304	1952	M	X	N	SHALLOW WELL	-	.072	I-DH KP FPA	-	U
	325	1959		X			X	.030		.05	
LEHIGH	178	1962	M	X	N	SHALLOW WELL	-	.050	DH	-	X
	175	X		X			X	.010		.04	
LENEXA	2,487	1937	M	924	N	KANSAS CITY	-	-	KANSAS CITY	-	-
	(3,150)	-		924		MISSOURI	-	-	MISSOURI	-	
LENORA	512	1961	M	X	N	WELL	-	1.000	DH	-	X
	500	1951		X			X	.090		.05	
LEON	541	1954	M	X	N	3 SHALLOW WELLS	-	.070	DH	-	US
	550	1945		X			X	.050		.05	
LEONARDVILLE	378	1937	M	X	N	WELLS	-	.110	DH	-	X
	375	X		X			X	.020		.05	
LEOTI	1,401	1962	M	X	N	3 DEEP WELLS	-	1.400	DCH	-	X
	1,400	1953		X			X	.200	(V 1.20)	.05	
LE ROY	601	1937	M	200	N	NEOSHO RIVER	X	.230	P-CAL TC MTP SOB FRS DC	.02	
	630	1937		200			-	.070		.06	T
LEWIS	486	1948	M	X	N	2 SHALLOW WELLS	-	.860	DH	-	X
	475	1949		X			X	.060	(V 0.50)	.05	
LIBERAL	13,813	1961	M	X	N	14 DEEP WELLS	-	5.750	DC	2.25	X
	14,750	1952		X			X	2.900		1.00	
LIEBENTHAL	191	1956	P	35	N	DEEP WELL	-	.050	DH	-	
	125	X		35			X	.010		X	DL
LINCOLN	1,717	1906	M	X	C	WELLS	-	.576	IH-AT CALS MTB SOB	.22	X
	1,880	1930		X			X	.400	SOB R FRS DH	.08	
LINDSBORG	2,609	1905	M	X	N	WELLS	-	2.880	KC DC	-	X
	2,610	1944		X			X	.375		.25	
LINN	466	1961	M	X	N	3 SHALLOW WELLS	-	.230	I-ATC DC SC KP FPS	.01	
	500	1949		X			X	.063		.05	T
LINWOOD	375	1957	M	X	N	3 SHALLOW WELLS	-	.072	I-DH AC OL SO FPA	-	
	375	1961		X			X	.020		-	L
LITTLE RIVER	552	1955	M	X	N	SHALLOW WELLS	-	.200	DH	-	X
	550	1955		X			X	.060		.05	
LOGAN	846	1907	M	X	N	WELLS	-	.360	DH	.08	X
	800	X		X			X	.170		.03	
LONGFORD	146	1937	M	X	N	WELLS	-	.190	DH	-	X
	150	1952		X			X	.015		.05	

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STATE KANSAS

COMMUNITY OR FACILITY	1960 Population	Year Oper. Started Present Supply	OWNERSHIP	Number of Services	LAB. CONTROL	SOURCE OF SUPPLY	Safe Yield Impounded MGD	Rated Plant Capacity MGD	TREATMENT	Distrib. Storage MG Pumped to Mains	IMPROVEMENTS NEEDED
	Estimated Population Served	Present Treatment Plant		Number of Meters			Maximum Dependable Draft (Grd. water) MGD	Average Plant Output MGD		Gravity to Mains	
1	2	3	4	5	6	7	8	9	10	11	12
LONG ISLAND	229	1929	M	X	N	WELLS	-	.180	DH	-	X
	230	X		X			X	.020		.03	
LONGTON	401	1928	M	X	N	ELK RIVER AND	X	.460	P-AT CAL DC MB SOB	.04	X
	350	1928		X		SHALLOW WELLS	X	.040	FRS DC	.05	
LORRAINE	157	1947	M	X	N	2 DEEP WELLS	-	.280	DH	-	
	150	X		X			X	.020		.05	T
LOUISBURG	862	1954	M	X	N	IMP RESERVOIR	X	.122	P-CAL DC MI MP SO FRS DH	.01	X
	900	1954		X			-	.060		.05	
LUCAS	559	1956	M	240	N	3 SHALLOW WELLS	-	.288	DH	-	X
	550	X		240			X	.050		.05	
LURAY	328	1912	M	X	N	WELLS	-	.450	DH	-	X
	300	1945		X			X	.040		.05	
LYNDON	953	X	M	X	N	SALT CREEK	X	.360	P-CAL T NC DH MP SO CA	.03	
	975	1932		X			-	.070	T FRS NC DH	.06	T
LYONS	4,592	1956	M	X	N	WELLS	-	3.750	DC	-	X
	4,700	1945		X			X	.750		.25	
MC CRACKEN	406	1949	P	X	N	SHALLOW WELLS	-	.160	DH	-	X
	400	1940		X			X	.060		.05	
MC CUNE	433	1949	M	195	N	DEEP WELL	-	.180	AT SO DC	.05	
	425	1916		194			X	.040	(V 1.90)	.05	T
MC DONALD	323	1925	M	X	N	WELLS	-	.400	DH	-	X
	300	1945		X			X	.030		.05	
MC LOUTH	494	1937	M	X	N	SPRINGS AND WELLS	-	.090	DH	-	JS
	475	1953		X			X	.020		.05	
MC PHERSON	9,996	1954	M	X	N	WELLS	-	11.520	DC	-	N
	10,500	1954		X			X	2.170		.75	
MACKSVILLE	546	1917	M	X	N	WELL	-	.860	DH	-	X
	550	1951		X			X	.050		.05	
MADISON	1,105	1954	M	X	N	4 SHALLOW WELLS	-	.500	H-FZ DH VA KO	-	JS
	1,075	1947		X			X	.100		.07	
MAHASKA	160	1942	M	X	N	WELLS	-	.144	DH KC	-	X
	160	1951		X			X	.020		.05	
MANCHESTER	153	1954	M	X	N	WELLS	-	.060	DH	-	X
	125	1948		X			X	.015		.03	
MANHATTAN	22,993	1957	M	X	C	SHALLOW WELLS	-	7.500	IH-AC CALS MTP SO R SO	1.20	X
	21,500	1958		X			X	3.040	R SO FRS DC VS	2.06	
MANKATO	1,231	1929	M	X	N	WELLS	-	.250	DHC	.15	X
	1,275	1944		X			X	.100		.10	
MANTER	183	1930	M	X	N	WELLS	-	.220	DH	-	X
	180	X		X			X	.010		.04	
MAPLE HILL	244	1957	M	X	N	SHALLOW WELL	-	.040	DH	-	
	275	1957		X			X	.020		.04	T
MARION	2,169	1921	M	X	C	MUD CREEK IMP	X	1.000	P-AT CL MH CA MH DC SOB	.03	J
	2,225	1921		X			-	.300	T SOB FRS NC DC	.08	T
MARQUETTE	607	1953	M	X	N	WELLS	-	.790	DH	-	X
	600	X		X			X	.060		.05	
MARYSVILLE	4,143	1914	M	X	C	BIG BLUE RIVER	X	1.250	P-CAL DC MTP SOM SO	.15	X
	4,250	1955		X		AND SHALLOW WELL	X	.400	FRS DC	.25	
MATFIELD GREEN	95	1957	M	X	N	SHALLOW WELLS	-	.040	DH	.05	X
	95	1957		X			X	X		.05	
MAYETTA	218	1961	M	X	N	SHALLOW WELLS	-	.050	I-DH AST CAL MP SO	.01	X
	200	1961		X			X	.010	FRS	.02	
MAYFIELD	119	X	M	X	N	WELLINGTON	-	-	WELL.NGTON	-	-
	(120)	-		X			-	-		-	
MEADE	2,019	1922	M	X	N	4 DEEP WELLS	-	2.500	DCH	.23	X
	2,100	1953		X			X	.500		.05	

INVENTORY OF MUNICIPAL WATER FACILITIES

STATE **KANSAS**

COMMUNITY OR FACILITY	1960 Population	Year Oper. Started	OWNERSHIP	Number of Services	LAB. CONTROL	SOURCE OF SUPPLY	Safe Yield Impounded MGD	Rated Plant Capacity MGD	TREATMENT	Distrib. Storage MG	IMPROVEMENTS NEEDED
		Present Supply								Pumped to Mains	
	Estimated Population Served	Present Treat-ment Plant		Number of Meters			Maximum Depend-able Draft (Grd. water) MGD	Average Plant Output MGD		Gravity to Mains	
1	2	3	4	5	6	7	8	9	10	11	12
MEDICINE LODGE	3,072	1955	M	X	N	INFIL GALLERY	-	1.440	DH	.01	U
	2,925	1942		X		AND WELLS	X	.600		.15	T
MELVERN	376	1960	M	161	N	2 DEEP WELLS	-	.020	DH	-	U
	400	X		146			X	.020	(V 2.80)	.05	
MERRIAM	5,084	X	M	X	N	JOHNSON CO	-	-	JOHNSON CO	-	-
	(6,200)	-		X		W DIST 1	-	-	W DIST 1	-	
MILFORD	318	1928	M	X	N	WELLS	-	.140	DH	-	X
	375	1953		X			X	.030		.05	
MILTONVALE	814	1913	M	X	N	WELLS	-	.430	DH	-	X
	750	1952		X			X	.080		.05	
MINNEAPOLIS	2,024	1957	M	X	C	WELLS	-	1.500	DH KCP	-	X
	2,175	1952		X			X	.270		.19	
MINNEOLA	679	1956	M	X	N	DEEP WELLS	-	.600	DH	.13	X
	650	1953		X			X	.090		.05	
MISSION	4,626	X	M	X	N	JOHNSON CO	-	-	JOHNSON CO	-	-
	(8,000)	-		X		W DIS 1	-	-	W DIST 1	-	
MISSION HILLS	3,621	X	P	X	N	KANSAS CITY MO	-	-	KANSAS CITY MO	-	-
	(3,900)	-		X			-	-		-	
MISSION WOODS	243	X	X	X	N	JOHNSON CO	-	-	JOHNSON CO	-	-
	(275)	-		X		W D 1	-	-	W D 1	-	
MOLINE	698	1947	M	X	N	3 IMP RESERVOIRS	X	.400	P-CAL TC MB SOB	.05	X
	750	1931		X			-	.060	FRS DC	.06	
MONTEZUMA	543	1958	M	X	N	3 DEEP WELLS	-	.650	DH	-	
	600	X		X			X	.120		.05	T
MORAN	549	1917	M	250	N	IMP RESERVOIR	X	.288	P-AT CAL DC TC MTP SO	.04	S
	600	1960		250			-	.050	FRS DC	.05	
MORGANVILLE	226	1950	M	X	N	WELLS	-	.360	DH	-	X
	200	1945		X			X	.030		.05	
MORLAND	317	1954	M	X	N	SHALLOW WELLS	-	.500	DH	-	
	300	1954		X			X	.030		-	L
MORRILL	299	1958	M	X	N	2 SHALLOW WELLS	-	.080	DH	-	U
	325	1949		X			X	.020		.05	
MORROWVILLE	195	1939	M	X	N	SHALLOW WELLS	-	.140	KC DH	-	
	200	1945		X			X	.024		.05	T
MOSCOW	211	1949	M	X	N	DEEP WELLS	-	.400	DH	-	X
	225	X		X			X	.040		.04	
MOUND CITY	661	1912	M	X	N	LITTLE SUGAR	X	.340	P-CAL MH SO DC SO	.12	S
	685	1912		X		CREEK /IMP/	-	.060	FRS DC	.13	T
MOUNDRIDGE	1,214	1950	M	X	N	DEEP WELLS	-	.790	DH	-	X
	1,200	1952		X			X	.150		.13	
MOUND VALLEY	481	1937	M	X	N	PUMPKIN CREEK	X	.210	P-AT CAL TC MB SO	.03	
	550	1937		X		IMPOUNDMENT	-	.040	FRS DC	.05	T
MOUNT HOPE	539	1937	M	X	N	SHALLOW WELLS	-	.370	DH	-	X
	525	X		X			X	.040		.05	
MULBERRY	642	1913	M	357	N	DEEP WELL	-	.280	AT SC DC (V 0.80)	.09	X
	750	1950		357			X	.050		.05	
MULLINVILLE	385	1950	M	X	N	DEEP WELLS	-	.420	DH	-	X
	410	X		X			X	.070		.05	
MULVANE	2,981	1955	M	X	N	SHALLOW WELLS	-	1.400	DC	.50	X
	3,000	1952		X			X	.275		.05	
MUNDEN	177	1920	M	X	N	SHALLOW WELL	-	.070	DH	-	U
	175	1952		X			X	.010		.04	
MUSCOTAH	228	1958	M	110	N	2 SHALLOW WELLS	-	.040	KC DH	-	
	225	X		X			X	.020		.03	T
NARKA	166	1940	M	X	N	DEEP WELL	-	.072	DH	-	J
	170	X		X			X	.010		.05	

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STATE KANSAS

COMMUNITY OR FACILITY	1960 Population Estimated Population Served	Year Oper. Started Present Supply Present Treat-ment Plant	OWNERSHIP	Number of Services Number of Meters	LAB. CONTROL	SOURCE OF SUPPLY	Safe Yield Impounded MGD Maximum Depend-able Draft (Grd. water) MGD	Rated Plant Capacity MGD Average Plant Output MGD	TREATMENT	Distrib. Storage MG Pumped to Mains Gravity to Mains	IMPROVEMENTS NEEDED
1	2	3	4	5	6	7	8	9	10	11	12
NATOMA	775	1953	M	325	N	4 SHALLOW WELLS	-	.600	DH	-	X
	750	X		325			X	.070		.05	
NEODESHA	3,594	1898	M	1,750	C	FALL RIVER	X	2.070	PH-CALS TC NC MTP SH DC	.29	X
	4,150	1931		1,750		/IMP/	-	.500	SO R CA HB SOB FRS NC DC	.10	
NESS CITY	1,653	1958	M	685	N	12 SHALLOW WELLS	-	1.150	DCH	-	N
	1,715	1948		685			X	.200		.10	
NETAWAKA	225	1960	M	60	N	SHALLOW WELL	-	.030	DH	-	X
	175	X		60			X	.010		.05	
NEWTON	14,877	1958	M	X	N	10 DEEP WELLS	-	5.700	DC	4.60	N
	15,250	X		X			X	2.500		.60	
NICKERSON	1,091	1953	M	X	N	2 SHALLOW WELLS	-	1.030	DH	-	X
	1,100	1945		X			X	.100		.05	
NORCATUR	302	1951	M	X	N	WELLS	-	.187	DH	-	X
	325	1952		X			X	.040		.05	
NORTON	3,345	1956	M	X	N	13 SHALLOW WELLS	-	1.000	DC	.50	S
	3,675	X		X			X	.550		.25	T
NORTONVILLE	595	1957	M	X	N	DEEP WELLS	-	.072	DH	-	U
	625	1954		X			X	.050		.02	
NORWICH	430	1938	M	X	N	2 SHALLOW WELLS	-	.280	DH	-	X
	450	X		X			X	.050		.05	
OAKLEY	2,190	1955	M	X	N	WELLS	-	2.500	DH	-	X
	2,375	X		X			X	.700		.07	
OBERLIN	2,337	1955	M	X	N	WELLS	-	1.600	DC	-	X
	2,525	X		X			X	.300		.50	
OFFERLE	208	1958	M	83	N	2 DEEP WELLS	-	.200	DH (V 1.10)	-	X
	200	X		X			X	.020		.05	
OGDEN	1,780	1949	M	X	N	WELLS	-	.400	DH	-	X
	2,100	1952		X			X	.120		.05	
OKETO	128	1957	M	X	N	2 SHALLOW WELLS	-	.070	DH	-	X
	130	X		X			X	.010		.03	
OLATHE	10,987	1953	M	X	C	LAKE OLATHE AND	X	2.500	P-DC CAL TC MTP SHO	.53	M
	10,750	1957		X		IMP RESERVOIR	-	1.350	FRS DC VS	.35	T
OLMITZ	141	1953	M	X	N	DEEP WELL	-	.070	DH	X	U
	140	1953		X			X	.010		X	L
OLSBURG	137	1957	M	X	N	DEEP WELLS	-	.040	DH	X	
	135	1957		X			X	.010		-	L
ONAGA	850	1955	M	X	N	VERMILLION RIVER	X	.140	P-AC CAL DC MT SO FRS DC	.03	X
	830	1935		X		WISE CR AND WELLS	X	.070		.10	
OSAGE CITY	2,213	1910	M	X	N	IMP RESERVOIR	X	1.150	P-AT CAL DC T MH SO	.26	X
	2,350	1948		X			-	.150	FRS DC	.07	
OSAWATOMIE	4,622	1901	M	X	C	MARAIS DES CYGNES	X	1.530	PH-CAL TC DC MHP SM SO	.38	
	5,900	1939		X		R AND IMP RES	-	.750	R FRS	.65	T
OSBORNE	2,049	1921	M	900	N	SOLOMON RIVER AND	X	1.000	P-DC CAL MTP SO FRS	.05	X
	2,210	1935		900		3 SHALLOW WELLS	X	.270	DC DH	.16	
OSKALOOSA	807	1953	M	X	N	IMP RESERVOIR	X	.280	P-DC CAL TC MTP SH TC	.04	
	775	1957		X			-	.070	FRS DC	.04	L
OSWEGO	2,027	1887	M	X	N	NEOSHO RIVER	X	1.040	P-CAL DC TC MTP SO FRS	.06	X
	2,140	1948		X			-	.200	DC	.10	
OTIS	362	1927	M	X	N	SHALLOW WELLS	-	.360	DH	-	X
	360	X		X			X	.040		.05	
OTTAWA	10,673	1886	M	X	C	MARAIS DES	X	2.300	PH-DC CALIS MTP SH R SO	1.19	X
	11,150	1939		X		CYGNES RIVER	-	1.000	R TC DC FRS DC VT	.80	
OVERBROOK	509	1953	M	X	N	2 DEEP WELLS	-	.050	DH (V 0.70)	-	X
	500	X		X			X	.030		.05	
OVERLAND PARK	21,110	X	X	X	N	JOHNSON CO W	-	-	JOHNSON CO W	-	-
	(40,775)	-		X		DIST 1	-	-	DIST 1	-	

INVENTORY OF MUNICIPAL WATER FACILITIES

STATE KANSAS

COMMUNITY OR FACILITY	1960 Population Estimated Population Served	Year Oper. Started Present Supply Present Treatment Plant	OWNERSHIP	Number of Services Number of Meters	LAB. CONTROL	SOURCE OF SUPPLY	Safe Yield Impounded MGD Maximum Dependable Draft (Grd. water) MGD	Rated Plant Capacity MGD Average Plant Output MGD	TREATMENT	Distrib. Storage MG Pumped to Mains Gravity to Mains	IMPROVEMENTS NEEDED
1	2	3	4	5	6	7	8	9	10	11	12
OXFORD	989 1,000	1948 X	M	X X	N	SHALLOW WELLS	- X	.660 .150	DH	- .05	X
PALCO	575 525	1939 1952	M	X X	N	WELLS	- X	.310 .060	DH	- .05	X
PALMER	169 170	1934 X	M	X X	N	SHALLOW WELLS	- X	.030 .010	DH	- .03	X
PAOLA	4,784 4,750	1957 1953	M	X X	C	BULL CREEK IMP & LAKE MIOLA	X -	2.000 .400	PH-SO DC CALS MTP SM R SO R VS FRS DC	.19 .30	X
PARADISE	134 125	1939 1951	M	X X	N	SHALLOW WELLS	- X	.070 .010	DH	- .05	X
PARK	218 220	1959 X	M	89 X	N	DEEP WELL	- X	.140 .020	DH (V 0.70)	- .05	X
PARKER	181 150	1962 1962	M	X X	N	IMP RESERVOIR	X -	.030 .010	P-DH FGS DH	.01 .02	 T
PARSONS	13,929 14,750	1883 1959	M	4,950 4,950	C	LABETTE CREEK & NEOSHO RIVER	X -	5.180 2.000	P-CALT DC MTP SOM SO DC FRS DC VS	.16 .88	X
PAXICO	276 200	1958 X	M	X X	N	SHALLOW WELL	- X	.040 .020	DH	- .05	U T
PEABODY	1,309 1,375	1957 1943	M	600 X	N	5 SHALLOW WELLS	- X	.500 .110	KC DH	- .08	U
PERRY	495 480	1948 1948	M	203 203	N	SHALLOW WELL	- X	.140 .050	I-DH AC KP MB SO FRS DH	.01 .05	U
PERU	340 350	1959 X	M	100 100	N	3 DEEP WELLS	- X	.040 .020	DH	- .03	U T
PHILLIPSBURG	3,233 3,750	1961 1923	M	X X	N	12 SHALLOW WELLS	- X	1.220 .450	I-AT DC SO FRS VA	.52 .09	X
PITTSBURG	18,678 21,500	1955 1938	M	X X	A	4 DEEP WELLS	- X	4.650 2.000	H-AO CL MP SM R CA MP SO R FRS DC	3.00 1.50	X
PLAINS	718 750	1948 X	M	X X	N	2 DEEP WELLS	- X	.720 .080	DH	- .05	 T
PLAINVILLE	3,104 3,000	1956 1951	M	916 916	N	14 SHALLOW WELLS	- X	.410 .300	DHC	.60 .14	X
PLEASANTON	1,098 1,300	1916 1952	M	X X	N	MUDDY CREEK IMP	X -	.184 .138	P-CAL DC MH SOB FRS SO DC	.18 .15	S T
POMONA	489 525	1961 X	M	X X	N	2 DEEP WELLS	- X	.070 .030	DH	- .05	U
PORTIS	232 200	1954 X	M	X X	N	SHALLOW WELLS	- X	.180 .040	KC DH	- .04	X
POTWIN	635 600	1957 1954	M	X X	N	3 SHALLOW WELLS	- X	.280 .090	DH KC	- .03	US
PRAIRIE VIEW	188 200	1959 X	M	80 80	N	3 SHALLOW WELLS	- X	.120 .020	DH	- .03	X
PRAIRIE VILLAGE	25,356 (26,870)	X -	M	X X	N	JOHNSON CO W DIST 1	- -	- -	JOHNSON CO W DIST 1	- -	-
PRATT	8,156 8,000	X 1943	M	X X	N	10 DEEP WELLS	- X	7.900 2.000	DC	- .45	X
PRESTON	278 280	1955 X	M	X X	N	SHALLOW WELLS	- X	.470 .020	DH	- .04	X
PRETTY PRAIRIE	525 550	1952 1952	M	X X	N	SHALLOW WELLS	- X	.720 .050	DH	- .04	X
PROTECTION	780 715	1952 X	M	X X	N	2 SHALLOW WELLS	- X	.936 .130	DH	- .05	U
QUENEMO	434 400	1952 X	M	175 175	N	3 DEEP WELLS	- X	.070 .030	DH	- .05	U
QUINTER	776 900	1960 1953	M	X X	N	SHALLOW WELLS	- X	.550 .170	DH	- .05	X

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COMMUNITY OR FACILITY	1960 Population Estimated Population Served	Year Oper. Started Present Supply Present Treatment Plant	OWNERSHIP	Number of Services Number of Meters	LAB. CONTROL	SOURCE OF SUPPLY	Safe Yield Impounded MGD Maximum Dependable Draft (Grd. water) MGD	Rated Plant Capacity MGD Average Plant Output MGD	TREATMENT	Distrib. Storage MG Pumped to Mains Gravity to Mains	IMPROVEMENTS NEEDED
1	2	3	4	5	6	7	8	9	10	11	12
RANDALL	201 220	1933 1955	M	X X	N	SHALLOW WELL	- X	.070 .020	DH	- .03	U
RANSOM	387 400	1952 X	M	X X	N	SHALLOW WELLS	- X	.430 .050	DH	- .05	X
RANTOUL	157 185	1961 X	M	65 X	N	2 SHALLOW WELLS	- X	.050 .010	DH	X .05	U
RAYMOND	143 130	1956 X	M	X X	N	SHALLOW WELL	- X	.043 .010	DH	- .03	U
READING	249 260	1938 1944	M	102 88	N	5 SHALLOW WELLS	- X	.020 .015	DH	- .05	U
REPUBLIC	333 320	1923 X	M	X X	N	SHALLOW WELL	- X	.115 .030	DH	- .05	U
RESERVE	138 130	1925 X	M	X X	N	SHALLOW WELL	- X	.040 .020	DH	- .03	U
REXFORD	245 245	1932 X	M	X X	N	2 DEEP WELLS	- X	.210 .030	DH (V 1.70)	- .05	X
RICHMOND	352 375	1955 1955	M	X X	N	IMP RESERVOIR	X -	.120 .020	P-FGS DC	- .15	T
RILEY	575 600	1956 1944	M	X X	N	4 DEEP WELLS	- X	.140 .050	DH	- .05	T
RIVERTON	250 725	1889 X	P	X X	N	DEEP WELL	- X	.130 .032	DH	.30 .04	U
ROBINSON	317 335	1950 X	M	X X	N	3 SHALLOW WELLS	- X	.060 .020	DH	- .05	U
ROELAND PARK	8,949 (9,250)	X -	M	X X	N	JOHNSON CO W DIST 1	- -	- -	JOHNSON CO W DIST 1	- -	-
ROLLA	464 435	1961 X	M	X X	N	3 DEEP WELLS	- X	.690 .080	DH	- .05	X
ROSE HILL	273 300	1960 X	M	X X	N	2 SHALLOW WELLS	- X	.100 .020	DC (V 0.60)	- .05	X
ROSSVILLE	797 800	1962 1948	M	275 275	N	2 SHALLOW WELLS	- X	.144 .080	I-DC AC OL MB SO	.01 .05	X
RUSH CENTER	278 250	1961 X	M	X X	N	GROUND	- X	.430 .030	DH	- -	L
RUSSELL	6,113 6,275	X 1954	M	X X	C	SMOKY HILL R AND BIG CREEK IMP	X -	2.000 1.000	PH-AT CAL DC MTP SOM R SO R TC SOB KC FRS	.25 .90	X
SABETHA	2,318 2,400	1936 1936	M	X X	N	IMP RESERVOIR	X -	.620 .300	P-AS DC CAL T MTP SOB DC KC MHP FRS DC	.30 .08	X
SAINT FRANCIS	1,594 1,750	1961 1944	M	X X	N	5 SHALLOW WELLS 2 DEEP WELLS	- X	2.300 .372	DH	- .10	X
SAINT JOHN	1,753 1,800	1955 X	M	X X	N	2 SHALLOW WELLS	- X	1.150 .250	DC	- .05	X
SAINT MARYS	1,509 1,400	1954 1954	M	X X	N	SHALLOW WELLS	- X	.720 .120	DC	- .07	X
SAINT PAUL	675 730	1937 1937	M	240 240	N	NEOSHO RIVER	X -	.400 .072	P-AT CAL TC MB SO DC FRS DC	.04 .05	T
SALINA	43,202 43,000	1956 1956	M	X X	A	SMOKY HILL R AND 15 WELLS	X X	15.000 5.500	PHI-AT DC CALST SM DC TC (MTPS SV)R SM R KC FRS D	3.00 2.00	N
SATANTA	686 980	1952 X	M	X X	N	3 DEEP WELLS	- X	1.700 .250	DH	- .05	T
SAWYER	192 175	1938 X	M	X X	N	DEEP WELLS	- X	.280 .010	DH	- .05	X
SCAMMON	429 450	1907 X	M	X X	N	DEEP WELLS	- X	.340 .030	DC	- .07	T
SCANDIA	643 590	1959 X	M	X X	N	SHALLOW WELLS	- X	.530 .070	DH	- .17	X

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STATE KANSAS

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	Estimated Population Served	Present Treatment Plant		Number of Meters			Maximum Dependable Draft (Grd. water) MGD	Average Plant Output MGD		Gravity to Mains	
1	2	3	4	5	6	7	8	9	10	11	12
SCOTT CITY	3,555	1961	P	X	N	4 DEEP WELLS	-	4.300	DCH	-	X
	3,800	1944		X			X	.600		.05	
SCRANTON	576	1961	M	X	N	IMP RESERVOIR	X	.090	P-DC FGS DC	-	
	550	1961		X			-	.030		.05	T G
SEDAN	1,677	1935	M	X	N	IMP RESERVOIR	X	.375	P-AT DC CAL MB SO	.09	S
	1,765	1935		X			-	.195	CA MB TC FRS DC	.12	T
SEDGWICK	1,095	1955	M	X	N	SHALLOW WELL AND	-	1.440	DH	-	X
	1,100	1945		X		DEEP WELL	X	.100		.06	
SELDEN	347	1955	M	X	N	2 DEEP WELLS	-	.340	DH	-	X
	340	1952		X			X	X		.05	
SENECA	2,072	1941	M	X	N	3 SPRINGS	-	.325	DC VA	1.00	X
	2,160	1951		X		3 SHALLOW WELLS	X	.200		.09	
SEVERY	492	1953	M	X	N	IMP RESERVOIR	X	.130	P-CAL MP SO DH FRS	.05	X
	490	1953		X			-	.050		.05	
SHARON	272	1948	M	X	N	2 SHALLOW WELLS	-	.140	DH	-	X
	300	X		X			X	.030		.05	
SHARON SPRINGS	966	1952	M	X	N	2 DEEP WELLS	-	.020	DH	-	X
	1,000	1944		X			X	.132		.05	
SHAWNEE	9,072	X	M	X	N	JOHNSON CO	-	-	JOHNSON CO	-	-
	(11,300)	-		X		W DIST 1	-	-	W DIST 1	-	
SHAWNEE CO	-	1960	M	80	N	SHALLOW WELL	-	.080	KC DH	-	
RURAL W DIST 1	305	X		80			X	.030		.05	T
SHAWNEE CO	-	1959	M	161	N	SHALLOW WELL	-	.180	KC DH	-	
RURAL W DIST 2	560	X		161			X	.050		.11	T
SHAWNEE CO	-	1958	M	131	N	SHALLOW WELL	-	.210	KC DH	-	
RURAL W DIST 3	450	X		131			X	.050		.05	T
* SHAWNEE CO W D 4	-	1958	Y	X	N	SHALLOW WELL	-	.180	KC DH	-	U
NORTH HILLS W CO	755	X		X			X	.060		X	T
SHAWNEE CO	-	1960	M	X	N	SHAWNEE CO W D 4	-	-	SHAWNEE CO W D 4	-	-
RURAL W DIST 5	(175)	-		X		NORTH HILLS W CO	-	-	NORTH HILLS W CO	-	
* SHAWNEE CO	-	1963	M	X	N	IMP RESERVOIR	X	.086	P-DH CAS (HTPS SV) FRS	.02	X
RURAL W DIST 6	750	1963		X			-	.075	DH	.13	
SHAWNEE CO	-	1963	M	X	N	SHAWNEE CO	-	-	SHAWNEE CO	-	-
RURAL W DIST 7	(250)	-		X		RURAL W DIST 6	-	-	RURAL W DIST 6	-	
SHAWNEE CO	-	1962	M	X	N	IMP RESERVOIR	X	.115	P-DH CAS HBP SO FRS	.02	X
RURAL W DIST 8	625	1962		X			-	.040	DH	.13	
SILVER LAKE	392	1954	M	120	N	2 SHALLOW WELLS	-	.100	DH	-	X
	350	1948		120			X	.030		.05	
SIMPSON	154	1936	M	X	N	SHALLOW WELL	-	.100	DH	-	U
	150	X		X			X	.020		.05	
SMITH CENTER	2,379	1958	M	X	N	SHALLOW WELLS	-	.780	I-AC DC MB SO FRS DC	.20	M
	2,600	1923		X			X	.400		.75	T
SOLDIER	171	1959	M	X	N	2 SHALLOW WELLS	-	.020	DH (V 0.90)	-	U
	175	X		X			X	.010		.02	
SOLOMON	1,008	1947	M	X	N	3 SHALLOW WELLS	-	.288	DH	-	X
	1,125	X		X			X	.120		.05	
SOUTH HAVEN	408	1947	M	X	N	2 SHALLOW WELLS	-	.144	DH	-	X
	410	1945		X			X	.050		.05	
SOUTH HUTCHINSON	1,672	1955	M	X	N	2 SHALLOW WELLS	-	.480	KC DH	-	X
	1,700	1952		X			X	.170		.05	
SPEARVILLE	602	1950	M	X	N	SHALLOW WELLS	-	.400	DH	-	X
	650	X		X			X	.150		.05	
SPEED	75	1950	M	X	N	SHALLOW WELLS	-	.200	DH	-	X
	75	X		X			X	.020		.03	
SPRING HILL	909	1951	M	X	N	LITTLE BULL CREEK	X	.144	P-CAL DC HTP SO FRS DC	.01	X
	875	1951		X		IMPOUNDMENT	-	.070		.10	

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COMMUNITY OR FACILITY	1960 Population Estimated Population Served	Year Oper. Started Present Supply Present Treatment Plant	OWNERSHIP	Number of Services Number of Meters	LAB. CONTROL	SOURCE OF SUPPLY	Safe Yield Impounded MGD Maximum Dependable Draft (Grd. water) MGD	Rated Plant Capacity MGD Average Plant Output MGD	TREATMENT	Distrib. Storage MG Pumped to Mains Gravity to Mains	IMPROVEMENTS NEEDED
1	2	3	4	5	6	7	8	9	10	11	12
STAFFORD	1.862 1.835	1955 X	M	X X	N	3 SHALLOW WELLS	- X	1.220 .200	KC DC VA	- .20	X
STERLING	2.303 2.000	1956 1945	M	785 X	N	2 DEEP WELLS	- X	2.800 .250	DC	- -	 L
STOCKTON	2.073 2.000	1962 1958	M	X X	N	8 SHALLOW WELLS	- X	1.000 X	I-DC AM DC CAL HP SO FRS DC	.30 .30	 T
STRONG CITY	659 615	1914 1937	M	250 X	N	2 SHALLOW WELLS	- X	.220 .040	HI-AT CALS DC MTB SO KC FPS DC	- .05	 T
SUBLETTE	1.077 1.100	1949 X	M	X X	N	DEEP WELLS	- X	1.440 .200	DC	- .05	X
SUMMERFIELD	237 240	1957 X	M	X X	N	2 SHALLOW WELLS	- X	.060 .010	DH	- .05	U
SUSANK	87 70	1951 1951	M	X X	N	DEEP WELL	- X	.065 .010	DH	- X	 L
SYLVAN GROVE	400 475	1949 X	M	X X	N	2 SHALLOW WELLS	- X	.860 .060	DH	.03 .05	X
SYLVIA	402 400	1938 X	M	X X	N	2 SHALLOW WELLS	- X	.650 .050	DH	- .05	X
SYRACUSE	1.888 1.950	1911 1945	M	X X	N	SHALLOW WELLS	- X	1.700 .250	DH	.40 .25	X
TESCOTT	396 380	1955 X	M	X X	N	WELL	- X	.240 .030	DH	- .05	X
THAYER	396 400	1960 1960	M	140 140	N	IMP RESERVOIR	X -	.050 .030	P-DC FGS DC	- .05	 T
TIMKEN	147 145	1951 1951	M	X X	N	WELL	- X	.140 .020	DH	- X	X
TIPTON	252 250	1956 1951	M	X X	N	WELLS	- X	.240 .020	DH	- .05	X
TONGANOXIE	1.354 1.500	X 1943	M	X X	N	2 SHALLOW WELLS	- X	.400 .090	H-KC FPZ DH	- .05	 T
TOPEKA	119.484 135.000	1923 1959	M	39.000 39.000	A	KANSAS RIVER 2 SHALLOW WELLS	NO LIMIT 1.000	40.000 13.420	FH-DC SOM TC CLS MTP SOM R CAT MTP S DC KC VS FRS	15.00 7.00	P D
TORONTO	524 525	1926 1952	M	X X	N	WELLS	- X	.210 .040	DH	- .05	X
TOWANDA	1.031 1.050	1956 X	M	354 354	N	3 DEEP WELLS	- X	.280 .080	DH	- .05	X
TREECE	280 280	1924 X	M	94 94	N	DEEP WELL	- X	.072 .020	DH	- .02	X
TRIBUNE	1.036 1.035	1949 X	M	X X	N	WELLS	- X	.880 .250	DH	- .05	X
TROY	1.051 1.050	X 1938	M	X X	X	SHALLOW WELLS	- X	.300 .070	DH	.06 .08	X
TURON	559 560	1913 X	M	X X	N	WELLS	- X	.400 .025	DH	- .05	X
UDALL	600 600	1955 1955	M	X X	N	2 SHALLOW WELLS	- X	.210 .070	DH	- .05	X
ULYSSES	3.157 3.155	1949 1949	M	X X	N	WELLS	- X	3.020 .400	DC	- .08	X
UNIONTOWN	211 200	1958 1958	M	95 95	N	MARMATON RIVER IMPOUNDMENT	X -	.043 .010	P-DC CAL HP SO DC FRS	.02 -	 L
UTICA	322 450	1953 1954	M	X X	N	WELLS	- X	.200 .040	DH	- .05	X
VALLEY CENTER	2.570 2.600	1957 X	M	X X	N	WELLS	- X	.720 X	DH	- .28	X
VALLEY FALLS	1.193 1.175	1957 1957	M	X X	N	DELAWARE R-SPRING SHALLOW WELL	X X	.370 .130	P-DC CAL MTP SOM FRS DH	.50 .09	X

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COMMUNITY OR FACILITY	1960 Population Estimated Population Served	Year Oper. Served Present Supply Present Treatment Plant	OWNERSHIP	Number of Services Number of Meters	LAB. CONTROL	SOURCE OF SUPPLY	Safe Yield Impounded MGD Maximum Dependable Draft (Grd. water) MGD	Rated Plant Capacity MGD Average Plant Output MGD	TREATMENT	Distrib. Storage MG Pumped to Mains Gravity to Mains	IMPROVEMENTS NEEDED
1	2	3	4	5	6	7	8	9	10	11	12
VERMILLION	265	1937	M	X	N	SHALLOW WELL	-	.100	KC DH	-	U
	260	1944		X			X	.020		.05	
VICTORIA	1.170	1955	M	350	N	11 SHALLOW WELLS	-	.300	DH	.25	X
	1.175	X		X			X	.100		.05	
VIOLA	203	1962	M	X	N	SHALLOW WELL	-	.030	DH	-	X
	150	X		X			X	.010		-	
VIRGIL	229	1955	M	75	N	2 SHALLOW WELLS	-	.040	DH	-	U
	230	1955		75			X	.010		.03	
WAKEENEY	2.808	1951	M	X	C	WELLS	-	1.610	DC VT	.10	X
	2.810	1954		X			X	.400		.05	
WAKEFIELD	603	1910	M	X	N	WELL	-	.260	DH	-	X
	600	1951		X			X	.080		.03	
WALDO	178	1913	M	6	N	WELLS	-	.570	DH	-	X
	185	1947		X			X	X		.05	
WALLACE	110	1918	M	X	N	WELL	-	.090	DH	-	X
	120	1953		X			X	.020		.05	
WALNUT	381	1954	M	X	N	WELLS	-	.080	DH	-	X
	380	1954		X			X	.030		.05	
WALTON	225	1956	M	X	N	WELLS	-	.050	DH	-	X
	225	1956		X			X	X		.04	
WAMEGO	2.363	1889	M	X	N	SHALLOW WELLS	-	1.000	KC DC	-	X
	2.500	1948		X			X	.300		.07	
WASHINGTON	1.506	X	M	X	C	MILL CREEK	X	.064	PH-AT CAL MH SO R DC SOB	.04	X
	1.470	1934		X			-	.250	R CA MB SOB KC FRS DC	.09	
WATERVILLE	700	1912	M	X	N	2 SHALLOW WELLS	-	X	DH	-	X
	750	X		X			X	.050		.08	
WATHENA	837	1926	M	X	X	SHALLOW WELLS	-	.300	MI-AT CLA (MTPS 3V)	.02	X
	975	1949		X			X	.080	R SO DC FRS	.05	
WAVERLY	381	1961	M	249	N	4 DEEP WELLS	-	.100	DH	.01	US
	450	1955		249			X	.035		.03	L
WEIR	699	1909	P	X	N	DEEP WELL	-	.170	DC	-	X
	700	X		X			X	.040		.04	
* WELLINGTON	8.809	1940	M	X	C	LAKE WELLINGTON &	X	2.000	P-AT CAL MTP DC SO	.20	X
	9.000	1940		X		24 SHALLOW WELLS	X	.800	CAL MT SO FRS DC	2.08	
WELLSVILLE	984	1957	M	X	N	4 SHALLOW WELLS	-	.110	DH	.25	USM
	1.065	1944		X			X	.070		.05	
WEST MINERAL	262	1937	M	X	C	WELL	-	.140	DH	-	X
	260	1944		X			X	.020		.20	
WESTMORELAND	460	1914	M	X	N	SHALLOW WELLS	-	.080	DH	-	X
	460	1945		X			X	.020		.05	
WESTWOOD	2.040	X	M	X	N	JOHNSON CO	-	-	JOHNSON CO	-	-
	(2.430)	-		X		W DIST 1	-	-	W DIST 1	-	
WETMORE	390	1949	M	X	N	SHALLOW WELL	-	.200	DH	-	U
	375	1949		X			X	.040		.05	
WHITE CITY	459	1938	M	X	N	WELLS	-	.140	DH	-	X
	460	X		X			X	.036		.05	
WHITEWATER	499	1962	M	130	N	2 SHALLOW WELLS	-	.120	KC DH (V 0.50)	-	X
	500	X		130			X	.050		.05	
* WICHITA	254.698	1956	M	68.000	A	91 WELLS	-	84.000	H-AC CAIL DC FRS KC MTP	14.40	US
	351.420	1955		67.000			X	28.750	NG R SMO (V 0.30)	2.33	L O
WILLIAMSBURG	255	1958	M	X	N	2 DEEP WELLS	-	.020	DH	-	U
	260	X		X			X	X		.05	
WILSON	905	1910	M	X	N	WELLS	-	.400	DH	-	X
	905	1948		X			X	.200		.05	
WINCHESTER	458	1926	M	X	N	SPRINGS AND	-	.070	DH	.02	X
	455	X		X		SHALLOW WELL	X	X		.05	

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STATE KANSAS

COMMUNITY OR FACILITY	1960 Population / Estimated Population Served	Year Oper. Started: Present Supply / Present Treatment Plant	OWNERSHIP	Number of Services / Number of Meters	LAB. CONTROL	SOURCE OF SUPPLY	Safe Yield Impounded MGD / Maximum Dependable Draft (Grd. water) MGD	Rated Plant Capacity MGD / Average Plant Output MGD	TREATMENT	Distrib. Storage MG: Pumped to Mains / Gravity to Mains	IMPROVEMENTS NEEDED
1	2	3	4	5	6	7	8	9	10	11	12
WINDOM	168	1952	M	X	N	WELLS	-	.040	DH	-	X
	170	1950		X			X	.010		.05	
WINFIELD	11,117	1956	M	X	N	SHALLOW WELLS	-	5.000	DC KC	1.04	
	10,500	1918		X			X	1.600		1.04	O
WINONA	393	1953	M	X	N	WELL	-	.350	DH	.02	X
	390	X		X			X	X		.04	
WOODSTON	322	1938	M	X	N	WELLS	-	.280	DH	-	X
	330	1953		X			X	.040		.05	
WYANDOTTE COUNTY	-	1962	M	171	C	SHALLOW WELL	-	.110	HI-AM CAL DH (HTPS SV)	.01	X
RURAL W D 1	500	1962		171			X	.050	R FRS	.05	
YATES CENTER	2,000	X	M	X	C	IMP RESERVOIR	X	.690	P-CALO TC MB DC MB SO CA	.14	X
	2,000	1927		X			-	.200	MB SOD FRS DC VA	.08	

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STATE MISSOURI

COMMUNITY OR FACILITY	1960 Population Estimated Population Served	Year Oper. Started Present Supply Present Treatment Plant	OWNERSHIP	Number of Services Number of Meters	LAB. CONTROL	SOURCE OF SUPPLY	Safe Yield Impounded MGD Maximum Dependable Draft (Grd. water) MGD	Rated Plant Capacity MGD Average Plant Output MGD	TREATMENT	Distrib. Storage MG Pumped to Mains Gravity to Mains	IMPROVEMENTS NEEDED
1	2	3	4	5	6	7	8	9	10	11	12
ADRIAN	1,082 1,050	1938 1938	M	450 X	X	IMPOUNDMENT	X -	.230 .170	P-AT DC CLA MTB SOB FRS DC	.03 .05	X
ADVANCE	692 1,020	1956 1956	M	292 292	X	1 DRILLED WELL	- .100	.100 .042	I-AC(DH KH)S FP	- .05	X
ALBA	336 310	1908 -	M	110 110	X	1 DRILLED WELL	- .200	- .030	NONE	- .06	X
ALBANY	1,662 1,650	1958 1959	M	700 700	C	3 GRAVEL PACK WELLS	- .288	.288 .200	I-AT CLA MP DC SB FRS	.01 .05	X
ALMA	390 (350)	1954 -	M	176 176	N	HIGGINSVILLE	- -	- -	HIGGINSVILLE	- -	-
ALTENBURG	260 400	1959 -	X	116 60	N	1 DRILLED WELL	- .432	- X	NONE	- .05	X
ALTON	677 655	1956 -	M	305 30	X	2 DRILLED WELLS	- .250	- .060	NONE	- .05	X
AMAZONIA	326 300	1958 1958	M	113 113	X	1 GRAVEL WALL WELL	- .288	.288 .043	I-AT DC SC FP	.01 .05	X
ANDERSON FORWARD COMPANY	992 950	1961 -	R	460 300	X	2 DRILLED WELLS	- .216	- .080	NONE	- .12	X
APPLETON CITY	1,075 950	1956 1956	M	335 335	C	IMPOUNDMENT OLD MK&T RR LAKE	75.000 -	.288 .072	P-DC CAL MP SOM FRS DC	.07 .10	X
ARBOR TERRACE	1,225 (1,225)	X -	X	X X	N	ST LOUIS COUNTY WATER COMPANY	- -	- -	ST LOUIS COUNTY WATER COMPANY	- -	-
ARBYRD	667 665	1962 -	X	176 X	X	1 DRILLED WELL	- X	- X	NONE	.05 X	X
ARCADIA	489 610	1931 1956	M	175 175	X	2 DRILLED WELLS AUX MILL SPRING	- .050	.030 .035	DC	.01 .10	X
ARCHIE	348 380	1957 1957	M	139 138	X	3 GRAVEL WALL WELLS	- .028	.028 .091	DH	.01 .05	X
ASBURY	186 175	1954 -	M	85 88	N	1 DRILLED WELL	- .144	- .020	NONE	X X	X
ASH GROVE	886 710	1954 X	M	450 450	X	2 DRILLED WELLS	- .454	.454 .090	KC DH	.08 .05	X
ASHLAND	495 475	1955 -	M	200 200	X	2 DRILLED WELLS	X X	- .024	NONE	X X	X
• AURORA EMPIRE D POWER CO	4,683 4,700	1954 -	P	1,938 1,939	X	2 DRILLED WELLS	1.150 -	- .225	NONE	- .50	X
AUXVASSE	534 515	1955 -	M	250 165	X	2 DRILLED WELLS	.150 -	- .040	NONE	- .03	X
AVA	1,581 1,475	1930 -	M	685 600	X	2 DRILLED WELLS	- .605	- .150	NONS	.02 .08	X
AVONDALE	663 (665)	X -	X	X X	N	KANSAS CITY	- -	- -	KANSAS CITY	- -	-
BALLWIN	5,710 (3,260)	X -	X	X X	N	ST LOUIS COUNTY WATER COMPANY	- -	- -	ST LOUIS COUNTY WATER COMPANY	- -	-
BARING	213 200	1962 X	M	60 X	X	IMPOUNDMENT	X -	.072 X	P-CAL MP SB DC CAL MP SB DC FRS	X X	X
BELLA VILLA	779 (820)	X -	X	X X	N	ST LOUIS COUNTY WATER COMPANY	- -	- -	ST LOUIS COUNTY WATER COMPANY	- -	-
BELL CITY	409 375	1962 X	M	150 X	X	1 WELL	- X	.115 X	DC	X X	X
BELLE	1,016 1,000	1937 -	M	430 430	X	2 WELLS	- X	- .070	NONE	X .05	X
BELLEFONTAINE	13,650 (13,650)	X -	X	X X	N	ST LOUIS COUNTY WATER COMPANY	- -	- -	ST LOUIS COUNTY WATER COMPANY	- -	-
BELLERIVE	314 (315)	X -	X	X X	N	ST LOUIS COUNTY WATER COMPANY	- -	- -	ST LOUIS COUNTY WATER COMPANY	- -	-

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STATE MISSOURI

COMMUNITY OR FACILITY	1960 Population	Year Oper. Started Present Supply	OWNERSHIP	Number of Services	LAB. CONTROL	SOURCE OF SUPPLY	Safe Yield Impounded MGD	Rated Plant Capacity MGD	TREATMENT	Distrib. Storage MG Pumped to Mains	IMPROVEMENTS NEEDED
	Estimated Population Served	Present Treatment Plant		Number of Meters			Maximum Dependable Draft (Gnd. water) MGD	Average Plant Output MGD		Gravity to Mains	
1	2	3	4	5	6	7	8	9	10	11	12
BEL NOR	2,388 (2,390)	X -	X	X X	N	ST LOUIS COUNTY WATER COMPANY	- -	- -	ST LOUIS COUNTY WATER COMPANY	- -	-
BELRIDGE	4,395 (4,395)	X -	X	X X	N	ST LOUIS COUNTY WATER COMPANY	- -	- -	ST LOUIS COUNTY WATER COMPANY	- -	-
BELTON	4,897 6,000	1930 X	M	1,600 1,600	X	1 WELL	- .040	X .300	DH	.03 .08	X
BENTON	554 470	1903 -	M	172 172	X	2 WELL*	- .010	- .035	NONE	.03 X	X
BERDELL HILLS	533 (600)	X -	X	X X	N	ST LOUIS COUNTY WATER COMPANY	- -	- -	ST LOUIS COUNTY WATER COMPANY	- -	-
BERGER	187 210	1958 -	M	60 X	N	1 WELL	- X	- .014	NONE	X X	N
BERKELEY	18,676 (18,675)	X -	X	X X	N	ST LOUIS COUNTY WATER COMPANY	- -	- -	ST LOUIS COUNTY WATER COMPANY	- -	-
BERNIE	1,578 1,500	1940 -	M	525 30	X	2 WELLS	- .110	- .100	NONE	X .08	X
BETHANY	2,771 1,750	1937 1940	M	851 851	X	BIG CREEK PUMP TO 2 IMP	X -	.720 .350	P-AT CAL DC HP SB FRS DC	.09 .25	X
BEVERLY HILLS	849 (850)	X -	X	X X	N	ST LOUIS COUNTY WATER COMPANY	- -	- -	ST LOUIS COUNTY WATER COMPANY	- -	-
BEVIER	781 (700)	1959 -	M	263 X	N	MACON	- -	- -	MACON	- -	-
BILLINGS	602 590	1942 -	M	250 0	X	1 WELL	- .110	- .030	NONE	X .05	X
BIRCH TREE	420 600	1943 -	M	170 0	X	1 WELL	- .072	- .045	NONE	.06 X	X
BISMARCK	1,237 1,400	1930 -	M	400 0	X	2 WELLS	- .350	- .150	NONE	.02 .10	X
BLACKWATER	284 280	1955 -	M	86 86	X	2 WELLS	- .144	- .020	NONE	.01 X	X
BLAIRSTOWN	177 160	1960 -	M	76 X	X	1 WELL	- X	- .020	NONE	X X	X
BLAND	654 680	1936 -	M	264 264	X	2 WELLS	- .290	- .041	NONE	X .05	X
BLOOMFILED	1,330 1,660	1930 X	M	476 60	X	2 WELLS	- .960	.201 .180	I-AT DC FP	.10 .35	X
BLUE SPRINGS	2,555 (3,200)	1936 -	M	1,000 X	N	LAKE CITY ORDNANCE PLANT	- -	- -	LAKE CITY ORDNANCE PLANT	- -	-
BOGARD	277 275	1962 X	M	114 X	X	IMPOUNDMENT	X -	.072 X	P-DC CAL HP SB FRS DC	X X	X
BOLIVAR	3,512 3,510	1951 -	M	1,300 160	X	3 WELLS	- 2.600	- .700	NONE	X .20	X
BONNE TERRE	3,219 4,025	1927 X	P	1,172 1,172	X	MINE WATER	- NO LIMIT	.870 .300	P-FRS DC	1.04 X	X
BOONVILLE	7,090 7,050	1890 1936	M	2,100 2,100	A	MISSOURI RIVER	NO LIMIT -	1.500 .957	P-S DC VS HT CIAL HP SH R FRS DC	1.00 .13	X
BOSWORTH	465 530	1951 1951	M	152 0	X	2 WELLS	- .076	.043 .021	I-AT DH SO FRS	X .05	X
BOURBON	779 750	1952 -	M	329 100	X	3 WELLS	- .170	- .055	NONE	X .03	X
BOWLING GREEN	2,650 2,320	1896 1953	M	830 830	C	2 IMPOUNDMENTS	320.000 -	.510 .170	P-CAL DC HP SB CAL HP SB FRS DC VA	.06 .06	X
BRANSON	1,887 1,850	1939 -	M	500 500	X	4 WELLS	- .340	- .160	NONE	.10 X	X
BRASHEAR	309 200	1960 X	M	105 X	X	1 WELL	- X	.053 X	I-AT DC SC FPS	X X	X

INVENTORY OF MUNICIPAL WATER FACILITIES

STATE MISSOURI

COMMUNITY OR FACILITY	1960 Population Estimated Population Served	Year Oper. Started Present Supply Present Treatment Plant	OWNERSHIP	Number of Services Number of Meters	LAB. CONTROL	SOURCE OF SUPPLY	Safe Yield Impounded MGD Maximum Dependable Draft (Grd. water) MGD	Rated Plant Capacity MGD Average Plant Output MGD	TREATMENT	Distrib. Storage MG Pumped to Mains Gravity to Mains	IMPROVEMENTS NEEDED
1	2	3	4	5	6	7	8	9	10	11	12
BRAYMER	874 800	1951 1951	M	310 310	X	2 WELLS	- .144	.072 .550	I-AM KP DC SO FPS	X .06	X
BRECKENRIDGE	605 620	1958 X	M	151 X	C	IMPOUNDED	X -	.100 .025	P-CAL DC MP FRS	6.00 X	N
BRECKENRIDGE HILLS	6,299 (6,300)	X -	X	X X	N	ST LOUIS COUNTY WATER COMPANY	- -	- -	ST LOUIS COUNTY WATER COMPANY	- -	-
BRENTWOOD	12,250 (12,250)	X -	X	X X	N	ST LOUIS COUNTY WATER COMPANY	- -	- -	ST LOUIS COUNTY WATER COMPANY	- -	-
BRIDGETON	7,820 (7,820)	X -	X	X X	N	ST LOUIS COUNTY WATER COMPANY	- -	- -	ST LOUIS COUNTY WATER COMPANY	- -	-
BRIDGETON TERRACE	625 (625)	X -	X	X X	N	ST LOUIS COUNTY WATER COMPANY	- -	- -	ST LOUIS COUNTY WATER COMPANY	- -	-
BRONAUGH	173 155	1960 X	M	61 X	X	1 WELL	- X	.012 .020	AM DC	X X	X
BROOKFIELD	5,694 5,000	1891 1921	M	2,100 2,100	C	YELLOW CREEK IMPOUNDED	106.000 -	.535 .450	P-DC CAL MP SB FRS DC	.26 .50	X
BROWNING	412 410	1956 1956	M	200 200	C	2 WELLS	- .216	.144 .025	I-AT DH SC FPS	.02 .05	X
BRUNSWICK	1,493 1,220	1919 1952	P	350 350	C	2 WELLS	- .490	.432 .160	I-AM SC DC FPS	.02 .10	X
BUCKLIN	639 360	1938 1938	M	265 265	C	IMPOUNDMENT	40.000 -	.200 .060	P-AM CAL HTPS SV FRS DC	.02 .07	X
BUCKNER	1,198 500	1957 X	M	390 X	C	1 WELL	- .430	.253 .065	HI-AM DC FPZ	.18 .19	N
BUFFALO	1,477 1,500	1925 -	M	725 725	X	2 WELLS	- .500	- .110	NONE	X .08	X
BUNCETON	468 455	1954 -	M	180 0	X	1 WELL	- .159	- .035	NONE	.01 X	X
BUNKER	250 300	1963 -	M	100 100	X	1 WELL	- X	- X	NONE	.05 X	X
BURLINGTON JUNCTION	650 700	1924 1924	M	200 200	X	2 WELLS	- .180	.180 .062	I-AT FPS DC	X .05	X
BUTLER	3,791 3,730	1915 1956	M	2,000 2,000	X	MIAMI RIVER	155.000 -	1.080 .438	P-SO CAL MB SB FRS DC	.43 .25	X
CABOOL	1,284 1,470	1926 X	M	586 586	X	2 WELLS	- .860	1.055 X	VS	1.25 .06	X
CALHOUN	374 300	1961 -	M	164 164	X	1 WELL	- .140	- X	NONE	.01 X	X
CALIFORNIA	2,788 2,800	1910 -	M	1,095 1,095	X	3 WELLS	- 1.350	- .200	NONE	X .07	X
CALLAO	329 300	1960 X	M	102 X	X	1 WELL	- X	.043 .022	I-AT KP SO FPS	X X	X
CALVERTON PARK	1,714 (1,715)	X -	X	X X	N	ST LOUIS COUNTY WATER COMPANY	- -	- -	ST LOUIS COUNTY WATER COMPANY	- -	-
CAMDEN	310 290	1962 X	M	105 X	X	1 WELL	- X	.043 .008	I-AT DC CI MP SB FRS DC	X X	X
CAMDENTON	1,405 1,400	1931 -	M	590 310	X	3 WELLS	- .280	- .200	NONE	X .03	X
CAMERON	3,674 4,150	1919 1930	M	1,190 1,190	A	3 IMPOUNDMENTS	.278 -	1.123 .300	P-AT DC CAL MP SB MP SB FRS DC	.06 .07	X
CAMPBELL	1,964 2,500	1911 -	M	715 640	X	2 WELLS	- .665	- .150	NONE	X .05	X
CANTON	2,562 2,275	1937 1937	M	725 725	X	MISSISSIPPI RIVER	NO LIMIT -	.864 .275	P-DC CAL MP SB FRS DC	.14 .14	X
CANTWELL	900 (900)	X -	X	X X	N	RIVERMINES	- -	- -	RIVERMINES	- -	-

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1	2	3	4	5	6	7	8	9	10	11	12
CAPE GIRARDEAU	24.947 25.700	1931 1957	P	7.615 6.500	C	MISSISSIPPI RIVER	NO LIMIT -	3.100 2.060	PH-CLIA HP SB FRS DC VS	.45 3.75	X
CARDWELL	816 810	1951 -	M	230 0	X	2 WELLS	- .900	- .040	NONE	.01 X	X
CARL JUNCTION	1.220 1.250	1910 X	M	465 465	X	2 WELLS	- .430	.432 .090	KC	- .05	X
CARROLLTON	4.554 4.200	1941 1950	M	1.528 1.140	C	3 WELLS	- 1.600	.989 .400	PIH-DC AT CAL KG SB FRS FZ DC	.34 .25	X
CARTERVILLE	1.443 (1.500)	X -	M	X X	N	WEBB CITY	- -	- -	WEBB CITY	- -	-
CARTHAGE	11.264 11.300	1909 1955	M	3.659 3.659	C	7 WELLS	- 2.800	2.000 1.000	H-AT CAL MA SOH FRS DC NG VS	.09 1.50	X
CARUTHERSVILLE	8.643 7.600	1902 1922	M	2.170 2.170	X	3 WELLS	- 3.100	1.590 .050	HI-AT CL SB DC VS	X .07	X
CASSVILLE	1.451 1.405	1931 -	M	700 700	X	3 WELLS	- .510	- .200	NONE	X .74	X
CEDAR CITY	600 600	1963 -	M	130 130	X	1 WELL	- X	- X	NONE	.05 X	X
CEDAR HILL	300 200	1947 -	P	120 120	X	2 WELLS	- .046	- X	NONE	.05 X	X
CENTERTOWN	190 160	1961 -	M	76 X	X	1 WELL	- X	- .010	NONE	X X	X
CENTRALIA	3.200 3.205	1910 X	M	500 500	X	3 WELLS	- .650	1.010 .500	I-AT DC FZ	.34 .08	X
CHAFFEE	2.862 3.750	1917 1953	M	1.076 1.076	X	2 WELLS	- 1.000	.600 .200	H-FZ KC	.20 X	X
CHAMOIS	658 650	1923 -	M	267 181	X	2 WELLS	- .144	- .040	NONE	.04 .06	X
CHARLACK	1.493 (1.495)	X -	X	X X	N	ST LOUIS COUNTY WATER COMPANY	- -	- -	ST LOUIS COUNTY WATER COMPANY	- -	-
CHARLESTON	5.911 5.600	1927 -	M	1.800 0	X	3 WELLS	- 3.600	- .650	NONE	X .10	X
CHILHOWEE	339 440	1956 X	M	126 126	X	1 WELL	- .036	.036 .022	I-AT DH	.01 .06	X
CHILLICOTHE	9.236 9.650	1877 1952	M	2.750 2.750	A	GRAND RIVER	NO LIMIT -	2.000 1.500	P-CALO HTP SO R DC CALO HTP SO R FRS DC VE	.50 .25	X
CHULA	285 285	1959 X	M	90 X	X	1 WELL	- X	.043 X	I-AM DH SC FPS	X X	X
CLARENCE	1.103 1.000	1935 1935	M	300 300	C	2 IMPOUNDMENTS	97.000 -	.360 .084	P-CAL DC HP SB FRS DC	.02 .08	X
CLARK	260 350	1962 -	M	105 X	X	1 WELL	- X	- X	NONE	X X	X
CLARKSBURG	357 335	1957 -	M	124 X	N	1 WELL	- .200	- .027	NONE	.01 X	N
CLARKSVILLE	638 700	1921 1955	M	200 200	C	2 WELLS	- .100	.100 .060	H-AS DC FZ	.05 .06	X
CLARKTON	1.049 1.440	1939 -	M	300 0	X	2 WELLS	- .500	- .060	NONE	X .03	X
* CLAY COUNTY WATER DISTRICT 2	- (1.400)	1939 -	M	465 X	N	KANSAS CITY MISSOURI	- -	- -	KANSAS CITY MISSOURI	- -	-
CLAYCOMO	1.423 (1.425)	X -	X	X X	N	KANSAS CITY MISSOURI	- -	- -	KANSAS CITY MISSOURI	- -	-
CLAYTON	15.245 (15.245)	X -	X	X X	N	ST LOUIS COUNTY WATER COMPANY	- -	- -	ST LOUIS COUNTY WATER COMPANY	- -	-
CLEVELAND	216 220	1961 X	M	70 X	X	IMPOUNDMENT	X -	.036 X	P-DC CAL HP SO FRS DC	X X	X

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1	2	3	4	5	6	7	8	9	10	11	12
CLEVER	283	1948	M	150	X	1 WELL	-	-	NONE	.01	X
	260	-		150			.029	.020		X	
CLINTON	6,925	1890	P	2,589	A	GRAND RIVER	NO LIMIT	1.520	P-DC CAL MTP SOM FRS DC	1.00	X
	6,950	1950		2,589		AUX WELL	-	.900	VS	.25	
COLE CAMP	853	1911	M	350	X	2 WELLS	-	-	NONE	X	X
	810	-		350			.320	.047		.05	
COLUMBIA	36,650	1911	M	8,348	N	6 WELLS	-	10.000	AT DC (V 1.10)	5.20	P
	39,950	1957		8,348			6.000	3.800		1.00	D G
CONCEPTION	253	1958	M	75	N	1 WELL	-	.058	I-AT CAL DC SB FRS	X	N
JUNCTION	285	X		X			X	X		X	
CONCORDIA	1,471	1910	M	300	X	2 WELLS	-	.140	AC DC	.18	X
	1,050	X		300			.100	.080		.09	
CONWAY	500	1949	M	222	X	1 WELL	-	-	NONE	X	X
	485	-		222			.260	.027		.05	
COOL VALLEY	1,492	X	X	X	N	ST LOUIS COUNTY	-	-	ST LOUIS COUNTY	-	-
	(1,490)	-		X		WATER COMPANY	-	-	WATER COMPANY	-	
CORDER	506	1954	M	201	N	HIGGENSVILLE	-	-	HIGGENSVILLE	-	-
	(700)	-		X			-	-		-	
COUNTRY CLUB HILLS	1,763	X	X	X	N	ST LOUIS COUNTY	-	-	ST LOUIS COUNTY	-	-
	(1,765)	-		X		WATER COMPANY	-	-	WATER COMPANY	-	
COUNTRY LIFE ACRES	66	X	X	X	N	ST LOUIS COUNTY	-	-	ST LOUIS COUNTY	-	-
	(65)	-		X		WATER COMPANY	-	-	WATER COMPANY	-	
CRAIG	488	1939	M	180	C	1 WELL	-	.094	IH-AT DC SB FPS FZ KP	X	X
	550	1939		180			.260	.030		.05	
CRANE	954	1926	M	400	X	2 WELLS	-	-	NONE	X	X
	935	-		400			.500	.100		.06	
CREIGHTON	228	1958	M	100	N	1 WELL	-	.058	DC	X	X
	200	X		X			.040	.010		.02	
CRESTWOOD	11,106	X	X	X	N	ST LOUIS COUNTY	-	-	ST LOUIS COUNTY	-	-
	(11,105)	-		X		WATER COMPANY	-	-	WATER COMPANY	-	
CREVE COEJR	5,122	X	X	X	N	ST LOUIS COUNTY	-	-	ST LOUIS COUNTY	-	-
	(5,120)	-		X		WATER COMPANY	-	-	WATER COMPANY	-	
CROCKER	821	1940	M	400	X	2 WELLS	-	-	NONE	X	X
	770	-		400			.430	.096		.06	
CRYSTAL CITY	3,678	1927	M	1,460	X	RANNEY WELL	-	.870	PIH-CALO MP SB R FRS DC	.01	X
	3,715	X		1,460			3.500	.200		.10	
CRYSTAL LAKE PARK	307	X	X	X	N	ST LOUIS COUNTY	-	-	ST LOUIS COUNTY	-	-
	(305)	-		X		WATER COMPANY	-	-	WATER COMPANY	-	
CUBA	1,572	1931	M	300	X	2 WELLS	-	-	NONE	.07	X
	1,640	-		300			.520	.175		.08	
CURRYVILLE	287	1957	M	130	X	1 WELL	-	-	NONE	.01	X
	450	-		130			.430	X		X	
DEARBORN	444	1958	M	180	C	IMPOUNDED	X	.115	P-CAL DC MP SO FRS DC	X	X
	400	1958		X			-	.025		X	
DEEPWATER	712	1936	M	210	X	WELL	-	.300	AT DH	.03	X
	705	1936		210			.108	.050		.08	
DEERING	122	1913	P	34	X	2 WELLS	-	-	NONE	X	X
	120	-		0			.040	.020		.08	
DELLWOOD	4,720	X	X	X	N	ST LOUIS COUNTY	-	-	ST LOUIS COUNTY	-	-
	(4,720)	-		X		WATER COMPANY	-	-	WATER COMPANY	-	
DESLOGE	2,308	X	P	X	N	RIVERMINES	-	-	RIVERMINES	-	-
	(2,310)	-		X			-	-		-	
DE SOTO	5,804	1925	M	1,750	X	3 WELLS	-	-	NONE	.70	X
	5,805	-		X			.800	.500		X	
DES PERES	4,362	X	X	X	N	ST LOUIS COUNTY	-	-	ST LOUIS COUNTY	-	-
	(4,360)	-		X		WATER COMPANY	-	-	WATER COMPANY	-	

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1	2	3	4	5	6	7	8	9	10	11	12
DEXTER	5,519 7,000	1913 1939	M	2,200 2,200	X	5 WELLS	- 1.440	1.440 .700	P-AC CAS (MTPS SV) FRS DC	.06 .57	X
DIAMOND	453 455	X -	M	135 X	N	1 WELL	- X	- .020	NONE	X X	N
DIXON	1,473 1,310	1939 -	M	655 655	X	3 WELLS	- .325	- .100	NONE	.01 .08	X
DONIPHAN	1,421 2,100	1898 X	M	600 600	X	2 WELLS	- 1.000	.432 .100	DC	X .08	X
DOOLITTLE	499 60	1959 -	P	8 X	X	1 WELL	- X	- .003	NONE	X X	X
DREXEL	651 800	1954 1934	M	290 290	C	IMPOUNDED	33.000 -	.072 .045	P-AT CAL DC MT SB FRS	.01 .65	X
DUENWEG	529 520	1912 -	M	215 0	X	1 WELL	- .417	- .030	NONE	X .07	X
EAST PRAIRIE	3,449 2,650	1937 -	M	754 754	X	3 WELLS	- .401	- .200	NONE	X .08	X
EDGERTON	449 430	1955 1955	M	120 120	X	2 WELLS	- .070	.058 .020	I-AT SB FPS DC	X .10	X
EDINA	1,457 1,500	1923 1950	M	437 437	C	2 IMPOUNDMENTS	246.000 -	.360 .100	P-DC CAL MP SV CAL MP SB RS DC	.13 .05	X
EDMUNDSON	1,426 (1,430)	X -	X	X X	N	ST LOUIS COUNTY WATER COMPANY	- -	- -	ST LOUIS COUNTY WATER COMPANY	- -	-
ELDON	3,158 3,025	1921 -	M	1,100 1,100	X	2 WELLS	- .360	- .400	NONE	X .08	X
ELDORADO SPRINGS	2,864 2,580	1903 -	M	1,100 1,100	X	3 WELLS	- .720	- .225	NONE	X .10	X
ELLINGTON	812 870	1940 -	M	287 287	X	2 WELLS	- .109	- .060	NONE	.10 X	X
ELLISVILLE	2,732 (2,730)	X -	X	X X	N	ST LOUIS COUNTY WATER COMPANY	- -	- -	ST LOUIS COUNTY WATER COMPANY	- -	-
ELLSINORE	311 300	1941 -	M	120 X	X	1 WELL	- X	- .020	NONE	X .03	X
ELMDALE VILLAGE	712 (710)	X -	X	X X	N	ST LOUIS COUNTY WATER COMPANY	- -	- -	ST LOUIS COUNTY WATER COMPANY	- -	-
ELMER	266 265	1952 X	M	50 X	X	1 WELL	- X	.432 X	I-AT DC CAL MP SB FPS	X X	X
ELSBERRY	1,491 1,600	1935 X	M	650 440	X	3 WELLS	- .230	.230 .175	H-FZ DH	.05 .10	X
ELVINS	1,818 (1,820)	X -	X	X X	N	RIVERMINES	- -	- -	RIVERMINES	- -	-
EMINENCE	516 525	1955 X	M	190 X	X	1 WELL	- X	.216 .037	DC	X .05	X
ESSEX	511 480	1957 -	M	128 X	N	1 WELL	- .250	- X	NONE	.05 X	N
ESTHER	1,033 (1,035)	X -	X	X X	N	RIVERMINES	- -	- -	RIVERMINES	- -	-
EUGENE	151 150	1962 -	M	60 X	X	1 WELL	- X	- X	NONE	X X	X
EUREKA	1,134 1,050	1959 -	M	285 X	X	1 WELL	- X	- X	NONE	X X	X
EXCELSIOR SPRINGS	6,473 6,000	1906 1950	M	2,033 2,033	C	3 WELLS	- 3.300	.743 .750	IH-AT DC CAL MT SB R FRS DC	.15 1.08	X
EXETER	294 295	1960 -	M	121 X	X	1 WELL	- X	- .015	NONE	X X	X
FAIRFAX	736 700	1934 1951	M	235 235	X	2 WELLS	- .270	.165 .035	H-FZ DH	X .04	X

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1	2	3	4	5	6	7	8	9	10	11	12
FAIR PLAY	335	1939	M	142	X	1 WELL	-	-	NONE	X	X
	310	-		142			.190	.020		.05	
FARBER	451	1957	M	150	X	2 WELLS	-	.144	KC	.01	X
	350	X		150			.036	.017		X	
FARMINGTON	5.618	1903	M	1.308	X	4 WELLS	-	-	NONE	X	X
	4.550	-		1.308			1.300	.650		.20	
FAYETTE	3.294	1906	M	1,000	C	IMPOUNDMENT	215.000	.700	P-AT DC CAL MB SB FRS DC	.11	X
	2.100	1941		580			-	.360		.07	
FERGUSON	22.149	X	X	X	N	ST LOUIS COUNTY	-	-	ST LOUIS COUNTY	-	-
	(22.150)	-		X		WATER COMPANY	-	-	WATER COMPANY	-	
FESTUS	7.021	1924	M	850	X	4 WELLS	-	1.440	VT	.01	X
	6.845	X		850			1.000	.525		.20	
FLAT RIVER	4.515	X	X	X	N	RIVERMINES	-	-	RIVERMINES	-	-
	(4.515)	-		X			-	-		-	
FLORDELL HILLS	1.119	X	X	X	N	ST LOUIS COUNTY	-	-	ST LOUIS COUNTY	-	-
	(1.120)	-		X		WATER COMPANY	-	-	WATER COMPANY	-	
FLORISSANT	38.166	1939	M	10.400	N	ST LOUIS COUNTY	-	-	ST LOUIS COUNTY	-	-
	(30.800)	-		X		WATER COMPANY	-	-	WATER COMPANY	-	
FORDLAND	338	1960	M	135	X	1 WELL	-	-	NONE	X	X
	330	-		X			X	.015		X	
FOREST CITY	435	1912	M	X	N	OREGON	-	-	OREGON	-	-
	(435)	-		X			-	-		-	
FORSYTH	489	1937	M	375	X	3 WELLS	-	-	NONE	.08	X
	450	-		375			.520	.100		.05	
FREDERICKTOWN	3.484	1925	M	1.345	C	LITTLE ST FRANCIS	385.000	.760	P-CAL MP DC SB FRS VS	.15	X
	4.725	1956		1.345		RIVER-IMPOUNDMENT	-	.275		.48	
FREEMAN	391	1960	M	122	X	IMPOUNDMENT	X	.036	P-MP CAL DC SO FPS DC	X	X
	300	X		X			-	.014		X	
FROHNA	216	1961	M	84	X	1 WELL	-	-	NONE	X	X
	180	-		X			X	X		X	
FRONTENAC	3.089	X	X	X	N	ST LOUIS COUNTY	-	-	ST LOUIS COUNTY	-	-
	(3.090)	-		X		WATER COMPANY	-	-	WATER COMPANY	-	
FULTON	11.131	X	M	2,560	X	4 WELLS	-	4.340	DC	.30	X
	10.910	X		2,560			2.900	.800		.10	
GAINESVILLE	266	1951	M	160	X	1 WELL	-	-	NONE	X	X
	250	-		160			X	.075		.05	
GALENA	389	1936	M	270	X	2 WELLS	-	-	NONE	X	X
	355	-		270			.720	.040		.05	
GALLATIN	1.658	1898	M	669	A	3 WELLS	-	.432	IH-AT DC CS MB SCB FPS	.05	X
	1.700	1939		380			.260	.120	FPZ KP DC	.08	
GALT	373	1963	M	149	X	2 WELLS	-	.576	I-AT DC CAL MP FRS DC	.02	X
	375	X		149			X	X		X	
GARDEN CITY	600	1957	M	105	C	IMPOUNDED	.250	.150	P-CAL MP SO FRS DC	.05	N
	550	1957		X			-	X		.02	
GASCONADE	333	1939	M	129	X	1 WELL	-	-	NONE	.01	X
	320	-		0			.360	.025		X	
GERALD	474	1937	M	280	X	2 WELLS	-	-	NONE	.02	X
	460	-		134			.110	.035		X	
GIDEON	1.411	1932	M	375	X	5 WELLS	-	-	NONE	X	X
	1.320	-		X			X	.110		.05	
GILLIAN	249	1934	M	X	N	SLATER	-	-	SLATER	-	-
	(240)	-		X			-	-		-	
GLADSTONE	14.502	X	M	4,000	N	KANSAS CITY	-	-	KANSAS CITY	-	-
	(16.500)	-		X			-	-		-	
GLASGOW	1.200	1942	M	440	C	MISSOURI RIVER	NO LIMIT	.576	P-CAL MP SB CAL	.03	X
	1.350	1951		0			-	.083	MP SC FRS DC VA	.12	

INVENTORY OF MUNICIPAL WATER FACILITIES

STATE MISSOURI

COMMUNITY OR FACILITY 1	1960 Population Estimated Population Served 2	Year Oper. Started Present Supply Present Treatment Plant 3	OWNERSHIP 4	Number of Services Number of Meters 5	LAB. CONTROL 6	SOURCE OF SUPPLY 7	Safe Yield Impounded MGD Maximum Dependable Draft (Grd. water) MGD 8	Rated Plant Capacity MGD Average Plant Output MGD 9	TREATMENT 10	Distrib. Storage MG Pumped to Mains Gravity to Mains 11	IMPROVEMENTS NEEDED 12
GLENDALE	7,848 (7,850)	X -	X	X X	N	ST LOUIS COUNTY WATER COMPANY	- -	- -	ST LOUIS COUNTY WATER COMPANY	- -	-
GLEN ECHO PARK	333 (335)	X -	X	X X	N	ST LOUIS COUNTY WATER COMPANY	- -	- -	ST LOUIS COUNTY WATER COMPANY	- -	-
GOLDEN CITY	714 675	1937 -	M	350 350	X	2 WELLS	- .510	- .040	NONE	X .07	X
GOODFELLOW TERRACE	824 (825)	X -	X	X X	N	ST LOUIS COUNTY WATER COMPANY	- -	- -	ST LOUIS COUNTY WATER COMPANY	- -	-
GOODMAN	540 450	1942 -	M	240 240	X	1 WELL	- .720	- .030	NONE	X .03	X
GOWER	406 450	1954 X	M	150 X	X	3 WELLS	- .056	.079 X	DH	.02 X	X
GRAIN VALLEY	552 505	1962 X	M	X X	X	SNI-A-BAR CREEK TO IMPOUNDMENT	X -	.108 X	P-S CAL DC HP SB FRS DC	X X	X
GRANBY	1,808 1,725	1912 -	M	500 300	X	1 WELL	- .350	- X	NONE	X .08	X
GRANDVIEW	6,027 (6,025)	X -	X	X X	N	KANSAS CITY MISSOURI	- -	- -	KANSAS CITY MISSOURI	- -	-
GRANT CITY	1,061 1,120	1930 1930	M	320 320	X	3 WELLS	- .500	.650 .075	I-AT DC SC FPS DC	.09 .05	X
GRANTWOOD	676 (675)	X -	X	X X	N	ST LOUIS COUNTY WATER COMPANY	- -	- -	ST LOUIS COUNTY WATER COMPANY	- -	-
GREEN CITY	628 700	1954 1954	M	219 219	C	2 IMPOUNDMENTS	30.000 -	.226 X	P-CAL DH HP SB FRS DH	.02 .05	X
GREENDALE	1,107 (1,105)	X -	X	X X	N	ST LOUIS COUNTY WATER COMPANY	- -	- -	ST LOUIS COUNTY WATER COMPANY	- -	-
GREENFIELD	1,172 1,050	1910 -	M	570 570	X	2 WELLS	- .260	- .100	NONE	X .08	X
GREEN RIDGE	375 365	1954 -	M	175 0	X	1 WELL	- .190	- .028	NONE	.01 X	X
GREENWOOD	488 (500)	X -	M	145 X	N	KANSAS CITY MISSOURI	- -	- -	KANSAS CITY MISSOURI	- -	-
HALE	504 450	1955 1955	M	138 0	C	IMPOUNDMENT	8.600 -	.400 X	P-DH CAL MTP SB FRS DH	1.02 X	X
HALLSVILLE	363 335	1957 -	M	120 X	N	1 WELL	- .250	- .027	NONE	.01 X	N
HAMILTON	1,701 1,500	1923 1923	M	635 635	X	IMPOUNDMENT	190.000 -	.200 .150	IH-AT DH SB FPS FZ	.04 .05	X
HANLEY HILLS	3,308 (3,310)	X -	X	X X	N	ST LOUIS COUNTY WATER COMPANY	- -	- -	ST LOUIS COUNTY WATER COMPANY	- -	-
HANNIBAL	20,028 21,000	1925 1925	M	6,589 5,400	A	MISSISSIPPI RIVER	NO LIMIT -	6.000 2.500	P-SO DC VS CAL MB SB FRS DC NC	8.00 .13	X
HARDIN	727 700	1950 1950	M	280 0	X	1 WELL	- .140	.144 .045	IH-AT DH SB FPS FZ	X .05	X
HARRISONVILLE	3,510 3,500	1930 X	M	1,214 X	X	2 IMPOUNDMENTS	X -	.792 .250	P-AH DC CALO HP SB FRS DC	X X	X
HARTVILLE	486 445	1952 -	M	187 187	X	1 WELL	- .140	- .028	NONE	.05 X	X
HAWK POINT	270 280	1960 -	M	100 X	X	1 WELL	- X	- .018	NONE	X X	X
HAYTI	3,737 4,200	1921 1935	M	1,200 1,200	X	3 WELLS	- .750	.173 .300	I-AT CL MB SB FRS DC VS	.05 .18	X
HAZELWOOD	6,045 (6,045)	X -	X	X X	N	ST LOUIS COUNTY WATER COMPANY	- -	- -	ST LOUIS COUNTY WATER COMPANY	- -	-
HENRIETTA	497 (500)	1957 -	M	130 X	N	RICHMOND	- -	- -	RICHMOND	- -	-

INVENTORY OF MUNICIPAL WATER FACILITIES

STATE MISSOURI

COMMUNITY OR FACILITY 1	1960 Population Estimated Population Served 2	Year Oper. Started Present Supply Present Treatment Plant 3	OWNERSHIP 4	Number of Services Number of Meters 5	LAB. CONTROL 6	SOURCE OF SUPPLY 7	Safe Yield Impounded MGD Maximum Dependable Draft (Grd. water) MGD 8	Rated Plant Capacity MGD Average Plant Output MGD 9	TREATMENT 10	Distrib. Storage MG Pumped to Mains Gravity to Mains 11	IMPROVEMENTS NEEDED 12
HERCULANEUM	1,767 1,765	X X	P	450 0	X	3 WELLS	- .460	.432 .110	DC	.40 .06	X
HERMANN	2,536 2,550	1912 X	M	1,168 1,168	X	2 WELLS	- .460	.864 .180	M-FZ	.40 .06	X
HERMITAGE	328 310	1959 -	M	85 X	X	1 WELL	- X	- .020	NONE	X X	X
● HIGGINSVILLE	4,003 4,000	1890 1955	M	1,300 1,300	A	2 IMPOUNDMENTS	200.000 -	.802 .300	P-AT DC CALO MP S6 CALO MP SB R FRS DC	.50 .20	X
HILLSBORO	457 390	1950 -	M	120 X	X	2 WELLS	- .100	- .035	NONE	X .04	X
HILLSDALE	2,788 (2,790)	X -	X	X X	N	ST LOUIS COUNTY WATER COMPANY	- -	- -	ST LOUIS COUNTY WATER COMPANY	- -	-
HOLCOMB	436 505	1960 -	M	205 X	X	1 WELL	- X	- X	NONE	X X	X
HOLDEN	1,951 2,000	1887 1952	M	781 781	C	2 IMPOUNDMENTS	51.000 -	.346 .230	P-AT DC CAL MP SO FRS DC	.03 .10	X
HOLLISTER	600 465	1931 -	M	217 217	X	2 WELLS	- .400	- .060	NONE	X .10	X
HOPKINS	710 600	1933 -	M	200 200	X	3 WELLS	- .140	- X	NONE	X .06	X
HORNERSVILLE	752 900	1934 -	M	262 262	X	2 WELLS	- .200	- X	NONE	X .05	X
HOUSTON	1,660 2,430	1935 -	M	695 0	X	3 WELLS	- .750	- .220	NONE	X .08	X
HOUSTONIA	261 240	1954 -	M	107 107	X	1 WELL	- .130	- X	NONE	.01 X	X
HOUSTON LAKE	289 (290)	X -	X	X X	N	PARKVILLE	- -	- -	PARKVILLE	- -	-
HUGHSVILLE	134 125	1960 -	M	53 X	X	1 WELL	- X	- .010	NONE	X X	X
HUMANSVILLE	745 725	1905 -	M	316 240	X	2 WELLS	- .600	- .080	NONE	X .03	X
HUME	369 335	1955 1955	M	180 180	X	1 WELL	- .040	.167 .020	I-AT CS SC DC	.01 .05	X
HUNTLEIGH	375 (375)	X -	X	X X	N	ST LOUIS COUNTY WATER COMPANY	- -	- -	ST LOUIS COUNTY WATER COMPANY	- -	-
HUNTSVILLE	1,526 (1,500)	1950 -	M	400 X	N	MOBERLY	- -	- -	MOBERLY	- -	-
IBERIA	694 640	1952 -	M	204 123	X	1 WELL	- .093	- X	NONE	.05 X	X
ILLMO	1,174 1,470	1934 X	M	420 420	X	2 WELLS	- .058	.216 .065	DC V SC	.08 X	X
● INDEPENDENCE	62,328 102,000	1925 1956	P	26,236 26,236	A	7 WELLS	- X	18.000 8.200	PHI-CL(MTPS SV)DC FRS	2.00 N 1.30	
IONIA	114 100	1960 -	M	52 X	X	1 WELL	- X	- .005	NONE	X X	X
IRONTON	1,310 1,850	1928 1955	M	528 528	C	IMPOUNDMENT	40.000 -	.216 .090	P-AT CAL DC MP SB FRS DC	.14 X	X
JACKSON	4,875 4,200	1907 1956	M	1,700 1,700	C	3 WELLS	- .[illegible]0	1.132 .400	PI-CAL(MTPS SV)R FRS VS DC	.30 .80	X
JACKSON COUNTY WATER DISTRICT 1	- (9,400)	1938 -	M	2,710 X	N	KANSAS CITY MISSOURI	- -	- -	KANSAS CITY MISSOURI	- -	-
JACKSON COUNTY WATER DISTRICT 2	- (14,500)	1940 -	M	4,221 X	N	KANSAS CITY MISSOURI	- -	- -	KANSAS CITY MISSOURI	- -	-
JACKSON COUNTY WATER DISTRICT 8	- (1,750)	1942 -	M	500 X	N	INDEPENDENCE	- -	- -	INDEPENDENCE	- -	-

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STATE MISSOURI

COMMUNITY OR FACILITY 1	1960 Population / Estimated Population Served 2	Year Oper. Started Present Supply / Present Treatment Plant 3	OWNERSHIP 4	Number of Services / Number of Meters 5	LAB. CONTROL 6	SOURCE OF SUPPLY 7	Safe Yield Impounded MGD / Maximum Dependable Draft (Grd. water) MGD 8	Rated Plant Capacity MGD / Average Plant Output MGD 9	TREATMENT 10	Distrib. Storage MG: Pumped to Mains / Gravity to Mains 11	IMPROVEMENTS NEEDED 12
JAMESPORT	622 620	1956 1956	M	200 200	C	1 IMPOUNDMENT	53.000 -	.115 .035	P-CAL DC MP SB FRS DC	.01 .05	X
JAMESTOWN	216 190	1955 -	M	60 0	X	1 WELL	- .120	- .010	NONE	.01 X	X
JASPER	746 650	1923 X	M	337 337	X	1 WELL	- .170	.173 .060	KC DH	X .04	X
JEFFERSON CITY	28.228 31.500	1888 1954	P	7,293 6,719	C	MISSOURI RIVER	NO LIMIT -	3,000 X	P-SM CAI MB SB CAL DC MB SB R FRS	1.00 -	T G
JEFFERSON COUNTY WATER DISTRICT 1	- (4,900)	1959 -	M	1,080 X	N	ST LOUIS COUNTY WATER COMPANY	- -	- -	ST LOUIS COUNTY WATER COMPANY	- -	-
JENNINGS	19.965 (19.965)	X -	X	X X	N	ST LOUIS COUNTY WATER COMPANY	- -	- -	ST LOUIS COUNTY WATER COMPANY	- -	-
JONESBURG	415 385	1958 -	M	120 X	X	1 WELL	- X	- .004	NONE	X X	X
JOPLIN	38.958 39.500	1882 1957	P	14,500 13,803	A	SHOAL C[illegible]EK	30.000 -	12.000 5.000	P-TC KG OA MP SO CAL DC MB	1.29 .50	N
KAHOKA	2.160 1.750	1933 1953	M	500 500	C	5 WELLS	- .270	.288 .150	PHI-CAL (HTPS SV)FPS DC	.08 .08	X
● KANSAS CITY	475,539 650.000	1875 1942	M	130,000 107,863	A	MISSOURI RIVER	NO LIMIT -	210.000 88.000	PH-SOM DC CAL MHP SMO CAS MP SO R KC FRS DC VA	64.00 2.00	TD
KEARNEY	678 700	1954 1954	M	225 225	X	1 WELL	- .290	.110 X	PI-AT DC SC FRS	.01 X	X
KENNETT	9.098 7,350	1913 1955	M	2,246 2,246	A	4 WELLS	- 6.500	1.774 .650	PHI-AT DC CAL(HTPS SV) R DC FRS VS	.20 .22	X
KEYTESVILLE	644 800	1936 1955	M	235 235	C	2 WELLS	- .072	.173 X	HI-AT DC SC FPS FZ KP	X .08	X
KING CITY	1,009 1.050	1923 1949	M	410 410	X	2 IMPOUNDMENTS	X -	.333 .100	P-AT CAL MB SO FRS DC	.07 .08	X
KINGSVILLE	225 150	1960 1954	M	72 72	X	1 WELL	- .007	.022 .015	DC	X X	X
KINLOCK	6.501 (6.500)	X -	X	X X	N	ST LOUIS COUNTY WATER COMPANY	- -	- -	ST LOUIS COUNTY WATER COMPANY	- -	-
KIRKSVILLE	13.123 12.000	1924 1956	M	3.500 3,500	C	IMPOUNDMENT	4100.000 -	2.100 1.200	P-CA TO MB SB CAL DC MB SB FRS DC	.70 .50	X
KIRKWOOD	29.421 (29.500)	1923 1923	M	8,500 8,500	N	ST LOUIS CO W CO SOUTH PLANT	- -	- -	ST LOUIS COUNTY W CO SOUTH PLANT	- -	-
KNOB NOSTER	2.292 2.000	1932 -	P	575 36	X	3 WELLS	- .280	- .100	NONE	.01 X	X
KOSHKONONG	478 300	1925 -	M	85 85	X	1 WELL	- .014	- X	NONE	X .01	X
LA BELLE	866 870	1914 1951	M	300 300	C	3 WELLS	- .030	.144 .040	P-CAL DC(HTPS SV)FRS DC	X .05	X
LACLEDE	428 500	1959 X	M	200 X	X	1 WELL	- X	.072 X	I-AT SC DH	X X	X
LADDONIA	671 595	1956 -	M	200 200	X	2 WELLS	- .042	- .038	NONE	.01 X	X
LADUE	9,466 (9,465)	X -	X	X X	N	ST LOUIS COUNTY WATER COMPANY	- -	- -	ST LOUIS COUNTY WATER COMPANY	- -	-
LA GRANGE	1.347 1.400	1924 X	M	450 450	X	1 WELL 4 STANDBY WELLS	- .450	.432 .135	DC	X .06	X
LAKESIDE	487 485	1929 -	P	X X	X	1 WELL	- X	- X	NONE	- .05	X
LAKE TAPAWINGO	900 (1,200)	1935 -	P	390 X	N	INDEPENDENCE	- -	- -	INDEPENDENCE	- -	-
LAKE WAUKOMIS	506 (650)	1956 -	M	200 X	N	PARKVILLE	- -	- -	PARKVILLE	- -	-

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STATE MISSOURI

COMMUNITY OR FACILITY	1960 Population	Year Oper. Started	OWNERSHIP	Number of Services	LAB. CONTROL	SOURCE OF SUPPLY	Safe Yield Impounded MGD	Rated Plant Capacity MGD	TREATMENT	Distrib. Storage MG Pumped to Mains	IMPROVEMENTS NEEDED
	Estimated Population Served	Present Supply Present Treatment Plant		Number of Meters			Maximum Dependable Draft (Gnd. water) MGD	Average Plant Output MGD		Gravity to Mains	
1	2	3	4	5	6	7	8	9	10	11	12
LAMAR	3.600	1931	M	1.398	X	1 WELL	-	1.000	P-AT KQ CAL [illegible] SO FRS DC	.08	X
	3.400	1956		1.398		AUX IMP MUDDY CR	X	.350	VS	.15	
LA MONTE	801	1951	M	300	X	2 WELLS	-	-	NONE	.01	X
	800	-		300			.300	.040		X	
LANAGAN	357	1948	M	100	X	1 WELL	-	-	NONE	.03	X
	275	-		100			.028	X		X	
LANCASTER	740	1941	M	300	C	IMPOUNDMENT	60.000	.100	P-AT DC CAL MT SB FRS DC	.02	X
	800	1941		300			-	.050		.05	
LA PLATA	1.365	1926	M	625	C	IMPOUNDMENT	32.000	.363	P-CA DC MB SB CI MP SO	.03	X
	1.400	1926		625			-	.200	FRS DC	.10	
LAREDO	370	1960	M	139	X	2 WELLS	-	.072	PI-AT DC CAL SO FRS DC	X	X
	300	X		X			X	.015		X	
LATHROP	1.006	1923	M	300	X	5 DRILLED WELLS	-	.150	DC	.05	U P
	1.000	1954		300			X	.070		-	T O
LAWSON	778	1956	M	225	X	IMPOUNDMENTS	10.000	.144	P-AT CAL MB SB FRS DC	.01	X
	700	1956		225			-	.050		.05	
LEADWOOD	1.343	1931	P	510	X	MINE WATER	-	.208	P-DC FPS	X	X
	1.900	1931		510			NO LIMIT	.193		.03	
LEASBURG	176	1957	M	42	X	1 WELL	-	-	NONE	X	N
	150	-		X			X	.013		X	
LEBANON	8.220	1889	M	3.000	X	4 WELLS	-	-	NONE	.40	X
	8.700	-		3.000			2.100	1.000		.19	
LEES SUMMIT	8.267	1916	M	3.300	N	KANSAS CITY	-	-	KANSAS CITY	-	-
	(11,500)	-		X			-	-		-	
LEETON	371	1950	M	142	X	1 WELL	-	-	NONE	.01	X
	500	-		142			.650	.020		X	
LEOPOLD	200	1948	M	22	X	GROUND	-	-	NONE	X	N
	80	-		X			X	X		X	
LEXINGTON	4.845	1884	P	1.805	A	MISSOURI RIVER	NO LIMIT	1.000	P-SO CALO DC MT SB FRS	.05	X
	4.900	1938		1.805			-	.240	DC	.30	
LIBERAL	612	1937	M	350	X	1 WELL	-	.360	AT DC	.04	X
	535	1952		28			.360	.060		X	
LIBERTY	8.909	1906	M	2.500	X	4 WELLS	-	2.500	IH-AT DC CAL(HTPS SV)	.08	X
	9.000	1921		2.500			2.100	.350	FRS VS	.31	
LICKING	954	1939	M	421	X	2 WELLS	-	-	NONE	X	X
	1.470	-		421			.180	.085		.05	
LILBOURN	1.216	1949	M	400	C	1 WELL	-	X	NONE	X	X
	1.400	-		400			.580	X		.05	
LINCOLN	446	1950	M	130	X	1 WELL	-	-	NONE	X	X
	425	-		0			.200	.045		.05	
LINN	1.050	1939	M	375	X	2 WELLS	-	-	NONE	X	X
	1.040	-		375			.270	.090		.05	
LINN CREEK	174	1941	M	41	X	1 WELL	-	-	NONE	X	X
	150	-		0			.056	.042		.02	
LINNEUS	471	1957	M	163	C	IMPOUNDMENT	25,000	.144	P-DC CAL MT SO FRS DC	.01	X
	520	X		163			-	.020		X	
LOCKWOOD	835	1928	M	475	X	2 WELLS	-	-	NONE	.10	X
	770	-		475			.280	.065		.05	
LOUISIANA	4.286	1887	M	1.550	A	MISSISSIPPI RIVER	NO LIMIT	.930	P-CA DC MP SO CL MP SO	.15	X
	5.000	1936		1.550			-	.390	FRS DC	.50	
LOWRY CITY	437	1955	M	208	X	1 WELL	-	-	NONE	X	X
	400	-		208			.160	X		.03	
LUTESVILLE	658	1943	M	280	X	1 WELL	-	-	NONE	.05	X
	805	-		0			.140	.060		X	
MACKENZIE VILLAGE	283	X	X	X	N	ST LOUIS COUNTY	-	-	ST LOUIS COUNTY	-	-
	(285)	-		X		WATER COMPANY	-	-	WATER COMPANY	-	

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STATE MISSOURI

COMMUNITY OR FACILITY	1960 Population Estimated Population Served	Year Oper. Started Present Supply Present Treatment Plant	OWNERSHIP	Number of Services Number of Meters	LAB. CONTROL	SOURCE OF SUPPLY	Safe Yield Impounded MGD Maximum Dependable Draft (Grd. water) MGD	Rated Plant Capacity MGD Average Plant Output MGD	TREATMENT	Distrib. Storage MG Pumped to Mains Gravity to Mains	IMPROVEMENTS NEEDED
1	2	3	4	5	6	7	8	9	10	11	12
• MACON	4.547 4.800	1890 1956	M	1.679 1.679	C	IMPOUNDMENT	70.000 -	1.000 1.000	P-AT DC OA MP SO CL MP SO FRS	1.30 .00	X
MADISON	520 515	1962 -	M	175 X	X	1 WELL	- X	- X	NONE	X X	X
MAITLAND	427 700	1913 X	M	200 200	X	1 WELL	- .210	.216 .065	DH	X .06	X
MALDEN	5.007 3.850	1925 -	M	1.100 1.100	X	2 WELLS	- 1.400	- .420	NONE	X .15	X
MANCHESTER	2.021 (2.020)	X -	X	X X	N	ST LOUIS COUNTY WATER COMPANY	- -	- -	ST LOUIS COUNTY WATER COMPANY	- -	-
MANSFIELD	949 815	1929 X	M	440 440	X	2 WELLS	- .360	.475 .100	DH	.01 .00	X
MAPLE WOOD	12.552 (12.550)	X -	X	X X	N	ST LOUIS COUNTY WATER COMPANY	- -	- -	ST LOUIS COUNTY WATER COMPANY	- -	-
MARBLE HILL	497 595	1950 -	M	170 170	X	1 WELL	- .140	- X	NONE	.05 X	X
MARCELINE	2.872 2.900	1909 1928	M	700 520	C	IMPOUNDMENT	220.000 -	1.400 .175	P-AT DC OA MP SO CL MP SO FRS DC	.20 .06	X
MARGONA VILLAGE	320 (345)	X -	X	X X	N	ST LOUIS COUNTY WATER COMPANY	- -	- -	ST LOUIS COUNTY WATER COMPANY	- -	-
MARIONVILLE	1.251 1.250	1912 X	P	450 450	X	1 WELL	- .250	.245 .100	DC	.17 .04	X
MARLBOROUGH VILLAGE	650 (650)	X -	X	X X	N	ST LOUIS COUNTY WATER COMPANY	- -	- -	ST LOUIS COUNTY WATER COMPANY	- -	-
MARSHALL	9.572 10.000	1885 1947	M	3.480 3.480	A	5 WELLS	- 2.800	2.060 1.500	P-AT DC CL(HTPS SV)FRS DC	2.20 .20	X
MARSHFIELD	2.221 2.200	1925 -	M	900 900	X	3 WELLS	- 1.340	- .252	NONE	.10 .00	X
MARSTON	631 630	1962 -	M	130 X	X	1 WELL	- X	- X	NONE	X X	X
MARTHASVILLE	339 290	1956 X	M	106 X	N	1 WELL	- .250	.216 X	DH	.05 X	N
MARVIN TERRACE	1.260 (1.260)	X -	X	X X	N	ST LOUIS COUNTY WATER COMPANY	- -	- -	ST LOUIS COUNTY WATER COMPANY	- -	-
MARY RIDGE	631 (630)	X -	X	X X	N	ST LOUIS COUNTY WATER COMPANY	- -	- -	ST LOUIS COUNTY WATER COMPANY	- -	-
MARYVILLE	7.807 8.000	1882 1934	M	2.250 1.900	X	IMPOUNDMENT /AUX/102 RIVER	60.000 -	2.070 .900	P-CAL TC DC MP SO CAL MP SO FRS DC	.20 .15	X
MATTHEWS	450 500	1959 -	M	132 X	X	1 WELL	- X	- .026	NONE	X X	X
MAYSVILLE	942 800	1932 1932	M	393 215	X	IMPOUNDMENT	90.000 -	.390 .085	P-AT CAL DH MB SO FRS DH	.04 .00	X
MAYVIEW	270 (290)	1962 -	M	100 X	N	HIGGINSVILLE	- -	- -	HIGGINSVILLE	- -	-
MEADVILLE	447 450	1955 1955	M	170 170	C	2 WELLS	- .144	.072 .025	P-AT DH SC FPS	.01 X	X
MEMPHIS	2.106 2.150	1934 1954	M	600 600	C	IMPOUNDMENT AUX FABIUS RIVER	70.000 -	.450 .100	P-AT CAL DC MB SB FRS DC	.14 .05	X
MENDON	287 300	1955 1955	M	140 140	C	2 WELLS	- .320	.080 .020	I-AT DH SO FPS	.01 X	X
META	360 330	1960 -	M	105 X	X	1 WELL	- X	- .015	NONE	X X	X
• MEXICO	12.889 12.700	1885 1924	P	3.500 3.500	C	3 WELLS	- 3.100	2.070 .850	H-AT DC CAL MP SO FRS DC	.50 .02	X
MILAN	1.670 1.550	1922 1950	M	475 475	C	2 IMPOUNDMENTS	197.000 -	.650 .100	P-AT DC OA MP SB CL MP SB FRS DC	.06 .00	X

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STATE MISSOURI

COMMUNITY OR FACILITY	1960 Population Estimated Population Served	Year Oper. Started Present Supply Present Treatment Plant	OWNERSHIP	Number of Services Number of Meters	LAB. CONTROL	SOURCE OF SUPPLY	Safe Yield Impounded MGD Maximum Dependable Draft (Grd. water) MGD	Rated Plant Capacity MGD Average Plant Output MGD	TREATMENT	Distrib. Storage MG Pumped to Mains Gravity to Mains	IMPROVEMENTS NEEDED
1	2	3	4	5	6	7	8	9	10	11	12
MILLER	601 630	1937 1937	M	318 318	X	1 WELL	- .140	.144 .035	KC DH	X .05	X
MILL SPRING	226 275	1957 X	M	79 X	X	SPRING	- X	.072 .022	DH	X X	X
* MOBERLY	13.170 15.000	1922 1957	M	4.500 4.170	C	2 IMPOUNDMENTS	2300.000 -	2.100 1.200	P-AT CA HP DC SB CI HP SB FRS DC	.54 .95	X
MOKANE	419 150	1961 -	P	45 X	X	1 WELL	- X	- .012	NONE	X X	X
MOLINE ACRES	3.132 (3.130)	X -	X	X X	N	ST LOUIS COUNTY WATER COMPANY	- -	- -	ST LOUIS COUNTY WATER COMPANY	- -	-
MONETT	5.359 5.400	1890 X	M	2.050 2.050	X	6 WELLS	- 2.900	2.480 1.000	DC	.80 .54	X
MONROE CITY	2.337 2.950	1913 1948	M	840 840	C	IMPOUNDMENT	130.000 -	.864 .245	P-AT DC CALO HB SB FRA DC	.04 .08	X
MONTGOMERY CITY	1.918 1.725	1906 X	M	800 800	X	2 WELLS	- .230	.180 .123	HI-AT DC FZ	.02 .12	X
MONTROSE	526 495	1957 X	M	162 162	X	2 WELLS	- .043	.043 X	AM DC	.01 .05	X
MOREHOUSE	1.417 1.500	1939 1941	M	450 450	C	2 WELLS	- .420	.180 .075	P-CLA (MTPS SV)SD R FRS DC	.07 .10	X
MORRISON	232 220	1936 X	M	79 79	X	2 WELLS	- .150	.222 .010	DH	.03 X	X
MOSBY	293 250	1961 X	M	95 X	X	1 WELL	- X	.043 X	I-AM DC HP SC FPS	X X	X
MOSCOW MILLS	360 350	1962 -	M	100 X	X	1 WELL	- X	- X	NONE	X X	X
MOUND CITY	1.249 1.230	1890 1933	M	450 450	X	2 WELLS	- .420	.216 .090	P-AT CAL HB SB DC FRS	X .13	X
MOUNTAIN GROVE	3.176 3.065	1913 -	M	1.330 1.330	X	4 WELLS	- 1.150	- .450	NONE	X .08	X
MOUNTAIN VIEW	936 1.400	1938 -	M	400 400	X	3 WELLS	- .370	- .550	NONE	.03 .06	X
MOUNT VERNON	2.381 2.550	1897 X	M	1.050 1.050	X	3 WELLS	- 1.400	2.900 .250	DC	.30 .05	X
NECK CITY	110 (140)	X -	M	50 X	N	PURCELL	- -	- -	NONE	- -	-
NEOSHO	7.452 8.500	1891 1943	M	2.900 1.800	X	SHOAL CREEK /AUX/ 5 WELLS	8.300 -	5.000 1.500	P-TC CAL HT SB FRS DC	.11 .08	X
NEVADA	8.416 8.500	1885 1953	P	3.000 3.000	X	2 WELLS	- 3.000	3.024 .700	I-AS KC DC	1.00 X	X
NEW BLOOMFIELD	359 300	1962 -	M	80 X	X	1 WELL	- X	- X	NONE	X X	X
NEWBURG	884 250	1940 -	M	100 100	X	2 WELLS	- .360	- .025	NONE	X .08	X
NEW CAMBRIA	270 250	1962 X	M	100 X	X	IMPOUNDMENT	X -	.072 X	I-CA DC HP SD FRS DC	X X	X
NEW FLORENCE	616 410	1956 -	M	175 X	N	1 WELL	- X	- .046	NONE	X X	N
NEW FRANKLIN	1.096 1.100	1916 X	M	343 343	A	2 WELLS	- .220	.151 .050	IH-AO FPS FPZ DC	X .04	X
NEW HAVEN	1.223 1.250	1939 X	M	457 457	X	1 WELL	- .350	.216 .095	H-FZ	.15 .15	X
NEW LONDON	875 850	1930 1950	-	240 240	C	SALT RIVER	NO LIMIT -	.302 .850	P-DC CAL HP SD FRS	.03 .05	X
NEW MADRID	2.867 2.625	1939 1934	M	1.000 1.000	X	3 WELLS	- 1.100	.323 .220	PI-AT CAL HB SD FRS DH	.06 .05	X

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1	2	3	4	5	6	7	8	9	10	11	12
NEWTOWN	265	1962	M	116	X	1 WELL	-	.043	I-AO DC SEC DC FRS	X	X
	250	X		X			X	X		X	
NIXA	944	1947	M	340	X	1 WELL	-	-	NONE	.02	X
	950	-		340			.100	.040		X	
NOEL	736	1910	P	330	X	2 WELLS	-	-	NONE	.04	X
	775	-		330			.210	X		X	
NORBORNE	965	1930	M	430	X	2 WELLS	-	.200	PIH-AM DO KP SC FPS FZ	X	X
	900	1941		430			.200	.065		.08	
NORMANDY	4,452	X	X	X	N	ST LOUIS COUNTY	-	-	ST LOUIS COUNTY	-	-
	(4,450)	-		X		WATER COMPANY	-	-	WATER COMPANY	-	
NORTH KANSAS CITY	5,657	1912	M	1,500	X	3 WELLS	-	2.304	HI-AT CAL(MTPS SV)DC FRS	2.09	X
	6,000	1950		1,500			5.600	2.000		X	
NORTHMOOR	696	X	P	X	N	PARKVILLE	-	-	PARKVILLE	-	-
	(695)	-		X			-	-		-	
NORTHWOODS	4,701	X	X	X	N	ST LOUIS COUNTY	-	-	ST LOUIS COUNTY	-	-
	(4,700)	-		X		WATER COMPANY	-	-	WATER COMPANY	-	
NORWOOD	263	1940	M	90	X	1 WELL	-	-	NONE	X	X
	250	-		0			.150	.012		X	
NORWOOD COURT	186	X	X	X	N	ST LOUIS COUNTY	-	-	ST LOUIS COUNTY	-	-
	(185)	-		X		WATER COMPANY	-	-	WATER COMPANY	-	
NOVINGER	621	1960	M	136	C	1 WELL	-	.151	I-AT DC MP SO FPS	X	N
	575	X		X			X	X		X	
OAK GROVE	1,100	1936	M	500	X	SNI-A-BAR CREEK	16.000	.213	P-CAL MP SO FRS DC	.06	X
	1,000	1950		500		TO IMPOUNDMENT	-	.040		.06	
OAKLAND	1,552	X	X	X	N	ST LOUIS COUNTY	-	-	ST LOUIS COUNTY	-	-
	(1,550)	-		X		WATER COMPANY	-	-	WATER COMPANY	-	
OAKS	159	X	X	X	N	KANSAS CITY	-	-	KANSAS CITY	-	-
	(160)	-		X		MISSOURI	-	-	MISSOURI	-	
OAKVIEW	543	X	X	X	N	KANSAS CITY	-	-	KANSAS CITY	-	-
	(545)	-		X		MISSOURI	-	-	MISSOURI	-	
OAKWOOD	159	X	X	X	N	KANSAS CITY	-	-	KANSAS CITY	-	-
	(160)	-		X		MISSOURI	-	-	MISSOURI	-	
OAK WOOD MANOR	178	X	X	X	N	KANSAS CITY	-	-	KANSAS CITY	-	-
	(180)	-		X		MISSOURI	-	-	MISSOURI	-	
ODESSA	2,034	1922	M	850	X	IMPOUNDMENT	25.000	.230	P-CALO MB SB DC FRS	.50	X
	2,100	X		850			-	.120		.03	
O FALLON	3,770	1940	M	1,164	X	2 WELLS	-	-	NONE	X	X
	1,200	-		1,164			.290	.200		.75	
OLIVETTE	8,257	X	X	X	N	ST LOUIS COUNTY	-	-	ST LOUIS COUNTY	-	-
	(8,260)	-		X		WATER COMPANY	-	-	WATER COMPANY	-	
ORAN	1,090	1937	M	375	X	2 WELLS	-	-	NONE	X	X
	1,300	-		375			.870	X		.08	
* OREGON	887	1912	M	562	X	3 WELLS	-	.200	PIH-AT FRS FZ DC	.01	X
	1,500	1935		562			.560	.070		.10	
ORONOGO	513	1906	M	192	X	2 WELLS	-	-	NONE	.08	X
	465	-		192			.140	.020		.05	
ORRICK	800	1956	M	233	X	1 WELL	-	.144	PI-AM SC DC FRS	X	X
	750	X		233			.140	.330		.05	
OSCEOLA	1,066	1900	P	265	X	2 WELLS	-	.691	DH	X	X
	915	X		265			.250	.070		.08	
OTTERVILLE	416	1955	M	165	X	1 WELL	-	-	NONE	X	X
	395	-		165			.072	.030		.03	
OVERLAND	22,765	X	X	X	N	ST LOUIS COUNTY	-	-	ST LOUIS COUNTY	-	-
	(22,765)	-		X		WATER COMPANY	-	-	WATER COMPANY	-	
OWENSVILLE	2,379	1913	M	975	X	3 WELLS	-	.720	H-FPZ	.20	X
	2,550	1913		975			.330	.225		.04	

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1	2	3	4	5	6	7	8	9	10	11	12
OZARK	1,536	1929	M	600	X	2 WELLS	-	.288	KC	X	X
	1,550	X		600			.480	X		.08	
PACIFIC	2,795	1912	M	705	X	2 WELLS	-	.575	H-FPZ	.31	X
	2,650	X		410			.460	.170		X	
PAGEDALE	5,106	X	X	X	N	ST LOUIS COUNTY	-	-	ST LOUIS COUNTY	-	-
	(5,105)	-		X		WATER COMPANY	-	-	WATER COMPANY	-	
PALMYRA	2,933	1914	M	1,000	C	2 WELLS	-	.993	H-DC KP FPZ	.05	X
	3,000	X		1,000			X	.225		.13	
PARIS	1,393	1916	M	605	C	MIDDLE BRANCH OF	.480	.420	P-CA DC MT SB CL MT	.05	X
	1,400	1955		605		SALT RIVER	-	.135	SB FRS DC	.10	
# PARKVILLE	1,229	1942	P	2,300	X	3 GRAVEL PACKED	-	.980	IH-AT(MTPS SV)CAL DC FRS	.93	U MP
	8,500	1955		2,300		WELLS	.076	.670		-	DL
PARMA	1,060	1936	M	200	X	1 WELL	-	-	NONE	X	X
	800	-		200			.288	.040		.08	
PASADENA HILLS	1,315	X	X	X	N	ST LOUIS COUNTY	-	-	ST LOUIS COUNTY	-	-
	(1,315)	-		X		WATER COMPANY	-	-	WATER COMPANY	-	
PASADENA PARK	680	X	X	X	N	ST LOUIS COUNTY	-	-	ST LOUIS COUNTY	-	-
	(680)	-		X		WATER COMPANY	-	-	WATER COMPANY	-	
PECULIAR	458	1961	M	157	X	IMPOUNDMENT	X	.144	P-MP CAL SO FRS DC	X	X
	450	X		X			-	.020		X	
PERRY	802	1936	M	365	C	IMPOUNDMENT	28.000	.380	P-AT DC CAL MP SB FRS DC	.04	X
	800	1936		365			-	.045		.08	
PERRYVILLE	5,117	1928	M	1,750	X	SALINE RIVER	NO LIMIT	1.025	P-DH CAL MT SB FRS DH	.13	X
	5,600	1928		1,750			-	.400		.50	
PEVELY	416	1957	P	122	X	2 WELLS	-	-	NONE	X	X
	400	-		122			.028	X		.01	
PIEDMONT	1,555	1926	M	700	X	INF GALLERY	-	.288	DC	.12	X
	2,100	1953		700		& 2 WELLS	.580	.175		X	
PIERCE CITY	1,006	1886	M	450	X	2 WELLS	-	-	NONE	X	X
	1,175	-		450			.860	.130		.11	
PILOT GROVE	680	1936	M	265	X	2 WELLS	-	-	NONE	X	X
	700	-		265			.330	.050		.08	
PINE LAWN	5,943	X	X	X	N	ST LOUIS COUNTY	-	-	ST LOUIS COUNTY	-	-
	(5,945)	-		X		WATER COMPANY	-	-	WATER COMPANY	-	
PINEVILLE	454	1939	M	280	X	2 WELLS	-	-	NONE	X	X
	475	-		0			.180	.025		.02	
PLATTE CITY	1,188	1930	M	352	X	3 WELLS	-	.432	PI-AM CAL MP SO FRS VT	.03	X
	1,200	1957		352			.310	.135	DC	.08	
PLATTE WOODS	393	X	P	X	N	PARKVILLE	-	-	PARKVILLE	-	-
	(395)	-		X			-	-		-	
PLATTSBURG	1,663	1939	M	420	A	2 IMPOUNDMENTS	70.000	.368	P-AT CAL DC MP SO FRS	X	X
	1,460	X		420			-	.080	DC VA	X	
PLEASANT HILL	2,689	1911	M	620	X	IMPOUNDMENT	275.000	.720	P-AT CAL MTP DC SB FRS	X	X
	2,700	1949		620			-	.250	DC	X	
PLEASANT VALLEY	1,109	X	X	X	N	CLAY COUNTY WATER	-	-	CLAY COUNTY WATER	-	-
	(1,110)	-		X		DISTRICT 2	-	-	DISTRICT 2	-	
POPLAR BLUFF	15,926	1895	M	5,500	B	BLACK RIVER	NO LIMIT	2.000	P-COAL MB SB FRS DC	.52	X
	15,800	1930		5,500			-	1.500		.60	
PORTAGEVILLE	2,505	1936	M	800	C	2 WELLS	-	1.080	PI-AC DC CAL(MTPS SV)R	.07	X
	2,810	X		800			.670	.200	FRS DC	.06	
POTOSI	2,805	1926	M	950	X	3 WELLS	-	.720	DC	X	X
	2,850	1937		950			.430	.180		.15	
PRAIRIE HOME	213	1956	M	82	X	1 WELL	-	-	NONE	.01	X
	200	-		82			.140	.016		X	
PRINCETON	1,443	1896	M	300	C	3 WELLS	-	.280	PI-AT CL SO FAS DC	.03	X
	900	1932		300			.420	.140		.08	

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1	2	3	4	5	6	7	8	9	10	11	12
• PURCELL	265	1911	M	100	X	1 WELL	-	-	NONE	X	X
	355	-		90			.072	X		.05	
PURDY	467	1951	M	225	X	1 WELL	-	-	NONE	X	X
	475	-		125			.400	X		.03	
PUXICO	743	1900	M	265	X	2 WELLS	-	-	NONE	X	X
	930	-		265			.290	X		.05	
RAVENWOOD	202	1962	M	X	X	1 WELL	-	.432	I-AT DC MB SB KP	X	X
	280	X		X			X	X		X	
RAYMONDVILLE	202	1958	M	65	N	1 WELL	-	-	NONE	.05	N
	185	-		X			.140	.010		X	
RAYTOWN	17,083	X	P	4,400	N	KANSAS CITY	-	-	KANSAS CITY	-	-
	(18,000)	-		X		MISSOURI	-	-	MISSOURI	-	
REDINGS MILL	202	X	P	80	X	1 WELL	-	-	NONE	X	X
	185	-		X			X	.030		X	
REEDS SPRING	327	1951	M	140	X	2 WELLS	-	-	NONE	.05	X
	350	-		140			.100	.050		X	
REPUBLIC	1,519	1926	M	665	X	2 WELLS	-	-	NONE	.11	X
	1,650	-		665			.480	.065		.08	
RICH HILL	1,699	1913	M	700	X	3 WELLS	-	-	NONE	.25	X
	1,555	-		700			2.000	.200		.08	
RICHLAND	1,662	1931	M	551	X	2 WELLS	-	.430	VT	X	X
	1,690	X		551			.460	.090		.08	
• RICHMOND	4,604	1898	M	1,600	C	3 WELLS	-	1.000	PI-AT CAL(MTPS SV)	.08	X
	5,600	1953		1,600			2.200	.400	DC FRS	.13	
RICHMOND HEIGHTS	15,622	X	X	X	N	ST LOUIS COUNTY	-	-	ST LOUIS COUNTY	-	-
	(15,620)	-		X		WATER COMPANY	-	-	WATER COMPANY	-	
RIDGEWAY	470	1926	M	125	X	1 WELL	-	-	NONE	X	X
	385	-		125			.060	.014		.06	
RISCO	502	1956	M	150	X	1 WELL	-	-	NONE	-	X
	525	-		150			.180	.020		.05	
• RIVERMINES	449	1957	P	3,545	X	MINE WATER	-	1.728	P-DC FRS DC	.02	X
	12,405	1957		3,545			NO LIMIT	.240		.10	
RIVERSIDE	1,315	X	P	X	N	PARKVILLE	-	-	PARKVILLE	-	-
	(1,315)	-		X			-	-		-	
RIVERVIEW	3,706	X	X	X	N	ST LOUIS COUNTY	-	-	ST LOUIS COUNTY	-	-
	(3,705)	-		X		WATER COMPANY	-	-	WATER COMPANY	-	
ROCKAWAY BEACH	177	1930	M	250	X	2 WELLS	-	-	NONE	X	X
	175	-		250			.174	X		.05	
ROCK HILL	6,523	X	X	X	N	ST LOUIS COUNTY	-	-	ST LOUIS COUNTY	-	-
	(6,525)	-		X		WATER COMPANY	-	-	WATER COMPANY	-	
ROCKPORT	1,310	1900	M	468	X	1 WELL	-	.360	P-AT CAL(MTPS SV)DC FAS	.18	X
	1,500	1950		468			.360	.150		.04	
ROGERSVILLE	447	1954	M	175	X	1 WELL	-	-	NONE	.05	X
	470	-		175			.787	.018		X	
ROLLA	11,132	1929	M	2,829	X	8 WELLS	-	2.880	DC	.50	X
	11,050	X		2,829			2.000	.800		.75	
ROSEBUD	288	1941	M	100	X	2 WELLS	-	-	NONE	.01	X
	255	-		100			.050	.010		X	
RUSSELLVILLE	442	1955	P	200	X	1 WELL	-	-	NONE	.01	X
	390	-		200			.220	.033		X	
SAINT ANN	12,155	X	X	X	N	ST LOUIS COUNTY	-	-	ST LOUIS COUNTY	-	-
	(12,155)	-		X		WATER COMPANY	-	-	WATER COMPANY	-	
SAINT CHARLES	21,189	1902	M	6,595	C	MISSOURI RIVER	NO LIMIT	3.000	P-CAILO MP SB CAIO DC NG	1.23	X
	24,685	1935		6,595			-	2.000	MP SB KC DC FRS	2.23	
SAINT CLAIR	2,711	1932	M	945	X	3 WELLS	-	-	NONE	.10	X
	2,690	-		945			.470	.200		.04	

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1	2	3	4	5	6	7	8	9	10	11	12
STE GENEVIEVE	4,443 4,200	1934 X	M	1,200 1,100	X	2 WELLS	- .800	1.100 .330	H-FZ	X .37	X
SAINT GEORGE	1,323 (1,325)	X -	X	X X	N	ST LOUIS COUNTY WATER COMPANY	- -	- -	ST LOUIS COUNTY WATER COMPANY	- -	-
SAINT JAMES	2,384 2,350	1924 -	M	610 610	X	3 WELLS	- .280	- .150	NONE	.30 .05	X
SAINT JOHN	7,342 (7,340)	X -	X	X X	N	ST LOUIS COUNTY WATER COMPANY	- -	- -	ST LOUIS COUNTY WATER COMPANY	- -	-
SAINT JOSEPH	79,673 92,000	1881 1956	P	23,000 23,000	B	MISSOURI RIVER	NO LIMIT -	21.000 15.000	P-SO CAL MH SO MH SO FRS DC	1.04 11.94	L
SAINT LOUIS CHAIN OF ROCKS PL	750,026 370,015	1831 1915	M	160,116 18,440	A	MISSISSIPPI RIVER	NO LIMIT -	240.000 113.990	PH-SO CL MB SO CAI NC DC MI SO FRS NC DC VA	79.00 185.00	MP
SAINT LOUIS HOWARD BEND PLANT	- 370,015	1929 1956	M	X X	A	MISSOURI RIVER	NO LIMIT -	80.000 54.660	PH-SO CLI MB SOM CAI NC DC MB SOM FRS NC VA DC	X X	X
* SAINT LOUIS CO W CO CENTRAL PLANT	- 283,500	1906 1956	P	164,000 135,534	A	MISSOURI RIVER	NO LIMIT -	85.000 47.000	PH-SO CLI MP SO CI DC VA MP SO FRS NC DC	22.70 3.30	N
SAINT LOUIS CO W CO NORTH PLANT	- 283,500	1955 X	P	X X	X	MISSOURI RIVER	X -	36.000 X	PH-CLI SO MP SO CI DC MP SO FRS NC DC VS	X X	X
* SAINT LOUIS CO W CO SOUTH PLANT	- 300,000	1956 1956	P	X X	A	MERAMEC RIVER	NO LIMIT -	35.000 X	PH-DC CST MP SO CI DC MP SO FRS DC	X X	X
SAINT MARYS	620 660	1937 1937	M	215 215	X	1 WELL	- .110	.110 X	PHI-AT CAL(MTPS SV) DC FPS	X .05	X
SAINT PETERS	404 385	1960 -	M	123 X	X	2 WELLS	- X	- .021	NONE	X X	X
SAINT ROBERT	860 900	1960 -	M	212 X	X	1 WELL	- X	- .050	NONE	X X	X
SALEM	3,870 4,750	1925 X	M	1,404 X	X	2 WELLS	- 1.130	.270 .540	DC	.10 .08	T
SALISBURY	1,787 1,300	1922 X	M	370 370	X	5 WELLS	- .530	.466 .165	P-AT CAL(MTPS SV)R DC FRS DC	X X	X
SARCOXIE	1,056 1,055	1908 X	M	499 440	X	2 WELLS	- .720	.720 X	DH	X .10	X
SAVANNAH	2,455 2,500	1907 1928	M	750 750	C	IMPOUNDMENT	67.000 -	.500 .135	P-AT CAL DC MB SB FRS DC	.03 .25	X
SCHELL CITY	343 330	1958 -	M	144 X	N	1 WELL	- .100	- X	NONE	.05 X	N
SCHUERMAN HEIGHTS	288 (290)	X -	X	X X	N	ST LOUIS COUNTY WATER COMPANY	- -	- -	ST LOUIS COUNTY WATER COMPANY	- -	-
SCOTT CITY	1,963 1,050	1937 -	M	300 X	X	1 WELL	- X	- .060	NONE	X X	X
SEDALIA	23,874 23,940	1872 1915	M	P,108 7,485	A	IMP AND CREEK 2 WELLS /AUX/	463.000 -	3.000 1.900	P-CAL MB SO CL MP SD FRS DC	.75 1.00	X
SELIGMAN	387 375	1953 -	M	175 175	X	WELL	- .140	- X	NONE	X .03	X
SENATH	1,369 1,940	1962 -	M	550 480	X	3 WELLS	- .790	- .180	NONE	X .08	X
SENECA	1,478 1,385	1909 -	M	579 350	X	3 WELLS	- .360	- X	NONE	.09 X	X
SEYMOUR	1,046 1,105	1927 -	M	450 450	X	2 WELLS	- .335	- X	NONE	X .08	X
SHELBINA	2,067 2,030	1911 1940	M	821 821	C	IMPOUNDMENT	100.000 -	.674 .140	P-CAL DC MP SB MP SB FRS DC	.12 .07	X
SHELBYVILLE	657 650	1956 1956	M	197 197	C	IMPOUNDMENT	75.000 -	.144 X	P-CAL DC MP SB FRS DC	.03 .05	X
SHELDON	434 450	1952 -	M	194 194	X	WELL	- .210	- .018	NONE	X .05	X

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STATE MISSOURI

COMMUNITY OR FACILITY	1960 Population Estimated Population Served	Year Oper. Started: Present Supply Present Treatment Plant	OWNERSHIP	Number of Services Number of Meters	LAB. CONTROL	SOURCE OF SUPPLY	Safe Yield Impounded MGD Maximum Dependable Draft (Grd. water) MGD	Rated Plant Capacity MGD Average Plant Output MGD	TREATMENT	Distrib. Storage MG: Pumped to Mains Gravity to Mains	IMPROVEMENTS NEEDED
1	2	3	4	5	6	7	8	9	10	11	12
SHERIDAN	277	1949	M	125	X	2 WELLS	-	.100	I-FZ DC	X	X
	300	1949		125			.150	.014		.03	
SHREWSBURY	4,730	X	X	X	N	ST LOUIS COUNTY	-	-	ST LOUIS COUNTY	-	-
	(4,730)	-		X		WATER COMPANY	-	-	WATER COMPANY	-	
SIKESTON	13,765	1930	M	4,596	X	5 WELLS	-	2.073	I-AT FRS DC VS	.40	X
	14,500	X		3,000			3.000	1.400		.30	
SKIDMORE	425	1921	M	160	X	2 WELLS	-	.288	I-AT FPS DH	.01	X
	490	1952		0			.400	X		.04	
• SLATER	2,767	1888	M	675	X	3 WELLS	-	.760	HI-AT CAL MB SC FRS	.08	X
	2,450	1934		675			1.680	.210	DC VS	.15	
SMITHTON	395	1955	M	150	X	WELL	-	-	NONE	X	X
	390	-		150			.238	X		.05	
SMITHVILLE	1,254	1927	M	300	X	IMPOUNDMENT	26.000	.350	P-CAL MB SB FRS DC	.03	X
	1,200	1956		300		AUX CREEK	-	.115		.06	
SOUTH WEST CITY	504	1935	M	235	X	WELL	-	.173	AC DH	X	X
	525	1935		235			.140	.050		.05	
SPARTA	272	1960	M	130	X	1 WELL	-	-	NONE	X	X
	275	-		X			X	X		X	
SPICKARDSVILLE	450	1908	M	100	C	1 WELL	-	.144	P-AD DH CO MB SO FPS	X	N
	450	1935		X			X	.025		X	
SPRINGFIELD	95,865	1883	M	33,205	A	2 IMPOUNDMENTS	14.000	12.000	P-AS KG CA MB SC TC CL	2.25	N
	98,365	1937		27,815		2 WELLS & SPG AUX	-	8.710	FRS NG DC	3.00	
STANBERRY	1,409	1883	M	350	X	3 WELLS	-	-	NONE	.10	X
	1,350	-		350			.220	.090		.68	
STEELE	2,301	1938	M	800	X	2 WELLS	-	.170	PI-AT CL DC MB SB FRS	.05	X
	2,800	1938		800			1.200	.126		.08	
STEELVILLE	1,127	1934	M	660	X	2 WELLS	-	-	NONE	X	X
	1,150	-		660			.430	.060		.08	
STEWARTSVILLE	466	1954	M	136	X	2 WELLS	-	.035	H-FZ DC	X	X
	400	1955		136			.035	X		.05	
STOCKTON	838	1936	M	365	X	WELL	-	-	NONE	X	X
	840	-		365			.190	.070		.06	
STOVER	757	1939	M	270	X	1 WELL	-	-	NONE	X	X
	750	-		270			.230	.045		.05	
STURGEON	619	1955	M	215	X	WELL	-	-	NONE	.01	X
	615	-		215			.195	.031		X	
SUGAR CREEK	2,663	1922	M	730	N	INDEPENDENCE	-	-	INDEPENDENCE	-	-
	(2,200)	-		X			-	-		-	
SULLIVAN	4,098	1921	M	1,530	X	4 WELLS	-	-	NONE	.29	X
	4,050	-		1,530			1.300	.375		.06	
SUMMERSVILLE	356	1949	M	130	X	2 WELLS	-	-	NONE	.02	X
	455	-		130			.500	.025		X	
SWEET SPRINGS	1,452	1905	M	340	A	BLACKWATER RIVER	X	.300	P-CAL MB SB FRS DC	.04	X
	1,200	X		340		TO IMPOUNDMENT	-	.060		.07	
SYCAMORE HILLS	942	X	X	X	N	ST LOUIS COUNTY	-	-	ST LOUIS COUNTY	-	-
	(940)	-		X		WATER COMPANY	-	-	WATER COMPANY	-	
SYRACUSE	180	1955	M	70	X	WELL	-	-	NONE	.01	X
	175	-		70			.220	.010		X	
TARKIO	2,160	1941	P	600		? WELLS	-	.288	PH-AM CALO MT SV R FRS	.12	X
	2,100	1941		600			1.120	.160	DC FPS	.08	
THAYER	1,713	1912	M	600	X	2 WELLS	-	.800	DH	.20	X
	2,100	X		600			.750	.300		X	
TIPTON	1,639	1935	M	550	X	2 WELLS	-	.310	H-FPZ DC VA	X	X
	1,610	X		550			1.290	.200		.08	
TOWN AND COUNTY	1,440	X	X	X	N	ST LOUIS COUNTY	-	-	ST LOUIS COUNTY	-	-
	(1,440)	-		X		WATER COMPANY	-	-	WATER COMPANY	-	

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STATE MISSOURI

COMMUNITY OR FACILITY	1960 Population Estimated Population Served	Year Oper. Started Present Supply Present Treatment Plant	OWNERSHIP	Number of Services Number of Meters	LAB. CONTROL	SOURCE OF SUPPLY	Safe Yield Impounded MGD Maximum Dependable Draft (Grd. water) MGD	Rated Plant Capacity MGD Average Plant Output MGD	TREATMENT	Distrib. Storage MG Pumped to Mains Gravity to Mains	IMPROVEMENTS NEEDED
1	2	3	4	5	6	7	8	9	10	11	12
TRENTON	6,262 6,800	1923 1957	M	2,165 2,165	A	PUMPED FROM GRAND RIVER TO IMP	95.000 -	2.000 1.250	P-DC CAL MP SO CAL MP SO FRS DC	.25 .30	X
TROY	1,779 1,650	1912 -	M	520 520	X	5 WELLS	- .490	- .085	NONE	.04 .10	X
TRUESDALE	217 (215)	X -	M	X X	N	WARRENTON	- -	- -	NONE	- -	-
TUSCUMBIA	231 35	X -	P	13 X	N	1 WELL	- X	- X	NONE	X X	N
UNION	3,937 4,180	1934 1934	M	1,305 1,305	X	BOURBEUSE RIVER AUX 1 WELL	.900 -	1.320 .550	P-SO CAL MP SO FRS DC	.05 .96	X
UNION STAR	392 500	1956 1956	M	165 165	X	2 WELLS	- .036	.036 .025	I-AT DC SC FAS	.01 .05	X
UNIONVILLE	1,896 1,900	1921 1954	M	550 550	C	2 IMPOUNDMENTS	110.000 -	.276 .140	P-AT DC CA MB SB CL MB SO FRS DC	.09 X	X
UNIVERSITY CITY	51,249 (268,000)	X -	X	X X	N	ST LOUIS COUNTY WATER COMPANY	- -	- -	ST LOUIS COUNTY WATER COMPANY	- -	-
UPLANDS PARK	549 (550)	X -	X	X X	N	ST LOUIS COUNTY WATER COMPANY	- -	- -	ST LOUIS COUNTY WATER COMPANY	- -	-
URBANA	348 350	1962 -	M	160 X	X	1 WELL	- X	- X	NONE	X X	X
URICH	408 385	1955 1955	M	196 196	X	2 WELLS	- .039	.086 .025	I-AT DC	.01 .05	X
VALLEY PARK	3,452 3,365	1922 1922	M	820 820	X	2 WELLS	- NO LIMIT	1,162 .450	I-FZ KPC DC	X .27	X
VAN BUREN	575 700	1926 X	M	200 200	X	INFIL WELLS CURRENT RIVER	NO LIMIT X	.144 .040	DC	X .07	X
VANDALIA	3,055 2,750	1909 X	M	1,000 54	X	IMPOUNDMENT AUX-WELLS	X .720	.576 .160	P-DC CAL(MTPS SV)FRS DC	.10 .14	X
VANDIVER	45 (45)	X -	P	X X	N	MEXICO	- -	- -	MEXICO	- -	-
VELDA	524 (525)	X -	X	X X	N	ST LOUIS COUNTY WATER COMPANY	- -	- -	ST LOUIS COUNTY WATER COMPANY	- -	-
VELDA VILLAGE HILLS	1,365 (1,365)	X -	X	X X	N	ST LOUIS COUNTY WATER COMPANY	- -	- -	ST LOUIS COUNTY WATER COMPANY	- -	-
VERONA	401 (550)	1889 -	P	206 X	X	AURORA	- -	- -	NONE	- -	-
VERSAILLES	2,047 1,930	1923 1923	M	800 800	X	2 WELLS	- .500	.360 .150	VS	.03 .10	X
VIBURNUM	590 250	1959 X	P	88 X	X	1 WELL	- X	.648 X	H-FZ	X X	X
VIENNA	536 485	1954 -	M	148 148	X	WELL	- .150	- .025	NONE	X .06	X
VINITA PARK	2,204 (2,205)	X -	X	X X	N	ST LOUIS COUNTY WATER COMPANY	- -	- -	ST LOUIS COUNTY WATER COMPANY	- -	-
VINITA TERRACE	382 (380)	X -	X	X X	N	ST LOUIS COUNTY WATER COMPANY	- -	- -	ST LOUIS COUNTY WATER COMPANY	- -	-
WALNUT GROVE	373 285	1939 X	M	200 200	X	WELL	- .140	.350 .050	V	- .05	X
WARDELL	331 305	1962 -	M	270 X	X	1 WELL	- X	- X	NONE	X X	X
WARRENSBURG	9,689 9,600	1894 X	P	2,646 2,646	X	3 WELLS	- 1.780	1.780 .670	I-AT DC SC	X .25	X
* WARRENTON	1,869 2,110	1894 -	M	750 750	X	3 WELLS	- .420	- .150	NONE	X .04	X
WARSAW	1,054 920	1931 -	M	465 465	X	2 WELLS	- .063	- .075	NONE	X .08	X

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STATE MISSOURI

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1	2	3	4	5	6	7	8	9	10	11	12
WARSON WOODS	1,746 (1,745)	X -	X	X X	N	ST LOUIS COUNTY WATER COMPANY	- -	- -	ST LOUIS COUNTY WATER COMPANY	- -	-
WASHINGTON	7,961 7,960	1888 -	M	2,350 2,350	X	3 WELLS	- 1.000	- .650	NONE	.90 .25	X
WAVERLY	837 800	1941 -	M	225 225	X	3 WELLS	- .140	- X	NONE	X .08	X
WAYNESVILLE	2,377 2,395	1942 -	M	903 903	X	3 WELLS	- .550	- .550	NONE	.21 .05	X
* WEBB CITY	6,740 6,750	1890 X	M	2,465 2,465	X	3 WELLS	- .740	1.400 .550	AT DC	1.40 .12	X
WEBSTER GROVES	28,990 (28,800)	X -	M	10,400 X	N	ST LOUIS COUNTY WATER COMPANY	- -	- -	ST LOUIS COUNTY WATER COMPANY	- -	-
WELLINGTON	651 700	1939 1936	M	193 193	X	2 WELLS	- .140	.144 .035	P-AM CAL MP SB FPS	.02 .05	X
WELLSTON	7,979 (7,980)	X -	X	X X	N	ST LOUIS COUNTY WATER COMPANY	- -	- -	ST LOUIS COUNTY WATER COMPANY	- -	-
WELLSVILLE	1,523 1,235	1929 1929	M	320 320	C	IMPOUNDMENT AUX--MINE LAKE	40.000 -	.403 .125	P-AT CALO MB SB FRS DC	.05 .08	X
WENTZVILLE	2,742 2,850	1936 -	M	790 790	X	3 WELLS	- .580	- .195	NONE	X .75	X
WESTON	1,057 900	1930 1947	M	270 270	X	WELL	- .280	.280 .100	PH-AT CL DC SB FPS FPZ	X .30	X
WEST PLAINS	5,836 7,570	1900 X	M	1,959 1,959	X	4 WELLS	- 1870.000	1.038 .600	DH	.15 .22	X
WHEATLAND	305 300	1962 -	M	150 X	X	1 WELL	- X	- X	NONE	X X	X
WHEATON	341 350	1941 -	M	235 235	X	WELL	- .110	- .030	NONE	X .02	X
WILLARD	357 350	1961 -	P	100 X	X	1 WELL	- X	- X	NONE	X X	X
WILLIAMSVILLE	412 385	1962 -	M	140 X	X	1 WELL	- X	- X	NONE	X X	X
WILLOW SPRINGS	1,913 1,750	1915 X	M	875 875	X	3 WELLS	- .290	.684 .150	DH	.09 .08	X
WINCHESTER	1,299 (1,300)	X -	X	X X	N	ST LOUIS COUNTY WATER COMPANY	- -	- -	ST LOUIS COUNTY WATER COMPANY	- -	-
WINDSOR	2,714 2,750	1911 -	M	985 985	X	3 WELLS	- .720	- .250	NONE	X .08	X
WINFIELD	565 450	1957 X	M	175 X	N	1 WELL	- .500	.700 X	I-DC SC	X .02	N
WINONA	562 735	1948 X	M	210 100	X	2 WELLS	- .160	.216 X	DC	.01 X	X
WOODSON TERRACE	648 (650)	X -	X	X X	N	ST LOUIS COUNTY WATER COMPANY	- -	- -	ST LOUIS COUNTY WATER COMPANY	- -	-
WRIGHT CITY	738 730	1939 -	M	300 300	X	2 WELLS	- .320	- .033	NONE	X .05	X
WYACONDA	402 400	1962 X	M	175 X	X	IMPOUNDMENT	X -	.101 X	P-CLA MP SB DC FRS	X X	X

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1	2	3	4	5	6	7	8	9	10	11	12
ABIE	117 115	1954 -	M	40 40	N	WELL	- .120	- .006	NONE	X .03	U
ADAMS	387 370	1956 -	M	200 200	N	2 WELLS	- .170	- X	NONE	X .05	X
AINSWORTH	1,982 1,925	1956 -	M	700 700	X	3 WELLS	- 1.360	- X	NONE	X .10	X
ALBION	1,982 1,930	1960 1951	M	700 700	N	3 WELLS	- 1.660	3.000 .152	I-AT DC SO FRS	X .08	X
ALEXANDRIA	257 235	1937 -	M	125 0	X	WELL	- .216	- X	NONE	X .04	U
ALLEN	350 340	1960 -	M	135 119	N	2 WELLS	- .036	- .037	NONE	X .06	U
ALLIANCE	7,845 7,845	1961 -	M	2,261 2,261	X	6 WELLS	- 6.000	- 1.650	NONE	.50 .25	U
ALMA	1,342 1,300	1950 -	M	619 600	X	4 WELLS	- 1.800	- X	NONE	X .20	X
ALVO	159 155	1936 -	M	65 65	N	WELL	- .072	- .015	NONE	- .02	U
ANOKA	32 30	X -	M	10 0	X	2 WELLS	- X	- X	NONE	X .01	U
ANSELMO	269 220	1941 -	M	110 100	X	2 WELLS	- .180	- X	NONE	.04 X	X
ANSLEY	714 715	1947 -	M	290 0	X	3 WELLS	- .460	- .160	NONE	.09 X	X
ARAPAHOE	1,084 1,035	1962 -	M	450 450	X	2 WELLS	- .720	- X	NONE	X .06	U
ARCADIA	446 405	1957 -	M	170 130	X	3 WELLS	- .360	- X	NONE	X .06	U
ARLINGTON	740 790	1927 1938	M	265 265	X	2 WELLS	- .864	.302 .095	I-AT CAS S FRS	.03 .04	X
ARNOLD	844 815	1956 -	M	360 358	N	2 WELLS	- .220	- .060	NONE	X .08	X
ASHLAND	1,989 2,080	1954 -	M	650 600	N	3 WELLS	- .720	- .500	NONE	X .02	J L
ASHTON	320 320	1956 -	M	125 100	N	2 WELLS	- .400	- X	NONE	X .04	X
ATKINSON	1,324 1,310	1955 -	M	450 450	X	3 WELLS	- 1.200	- X	NONE	X .11	X
ATLANTA	107 100	1946 -	M	57 52	N	WELL	- .086	- .010	NONE	X .01	U
AUBURN	3,229 3,295	1957 1940	M	1,350 1,350	X	10 WELLS	- 1.150	.320 .300	I-AT CS DH SO FRS	.20 .15	X
AURORA	2,576 2,600	1956 -	M	1,050 1,050	N	3 WELLS	- 2.400	- .500	NONE	.06 .30	X
AVOCA	218 220	1956 -	M	90 90	N	2 WELLS	- .012	- X	NONE	.01 .01	U L
AXTELL	477 520	1950 -	M	165 165	X	2 WELLS	- .360	- .080	NONE	X .03	X
BANCROFT	496 495	1947 -	M	250 50	N	2 WELLS	- .360	- X	NONE	X .05	X
BARTLETT	125 120	1945 -	M	60 42	N	WELL	- .115	- .013	NONE	X .10	J
BARTLEY	309 300	1953 -	M	180 0	N	2 WELLS	- .215	- X	NONE	X .04	X
BASSETT	1,023 1,020	1961 -	M	350 320	X	3 WELLS	- 1.000	- X	NONE	X .05	X

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STATE NEBRASKA

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1	2	3	4	5	6	7	8	9	10	11	12
BATTLE CREEK	587	1956	M	X	X	3 WELLS	-	-	NONE	.02	X
	575	-		X			1.600	X		X	
BAYARD	1.519	1957	M	626	N	2 WELLS	-	-	NONE	X	U
	1.500	-		590			.720	.110		.05	L
BEATRICE	12.132	1959	M	4.100	N	4 WELLS	-	5.700	VS DH	3.00	
	12.250	1951		4.100			3.900	2.000		X	L
BEAVER CITY	818	1934	M	350	N	4 WELLS	-	-	NONE	X	X
	820	-		325			.454	X		.04	
BEAVER CROSSING	439	1957	M	170	N	WELL	-	-	NONE	X	U
	450	-		170			.360	.045		.03	
BEEMER	667	1950	M	230	N	2 WELLS	-	-	NONE	X	X
	670	-		0			.350	.030		.06	
BELDEN	157	1938	M	70	N	WELL	-	-	NONE	X	U
	155	-		0			.180	.025		.05	
BELGRADE	224	X	M	100	X	WELL	-	-	NONE	X	U
	190	-		0			.210	X		.06	
BELLEVUE	8.831	1951	M	2.600	C	5 WELLS	-	3.000	I-AT CL DH SO FRS	.25	
	11.000	1952		2.600			2.400	1.400		.30	LG
BELLWOOD	361	X	M	40	X	WELL	-	-	NONE	.03	U
	350	-		38			.210	X		X	
BELVIDERE	185	X	M	96	N	WELL	-	-	NONE	X	J
	180	-		0			.210	.030		.03	
BENEDICT	170	1949	M	X	X	2 WELLS	-	-	NONE	X	X
	165	-		X			.140	X		.01	
BENKELMAN	1.400	1952	M	620	X	4 WELLS	-	-	NONE	X	X
	1.365	-		310			1.600	.250		.05	
BENNET	381	1956	M	160	N	2 WELLS	-	-	NONE	.06	X
	380	-		160			.790	.022		.04	
BENNINGTON	341	1953	M	109	X	2 WELLS	-	-	NONE	X	X
	350	-		109			.200	.036		.03	
BENSON-WEST DODGE	700	X	X	X	N	OMAHA	-	-	OMAHA	-	-
ACRES	(700)	-		X		METRO U DIST	-	-	METRO U DIST	-	
BERTRAND	691	1954	M	275	N	3 WELLS	-	-	NONE	X	X
	720	-		275			.740	X		.06	
BIG SPRINGS	506	1946	M	250	N	2 WELLS	-	-	NONE	X	U
	500	-		0			.660	.075		.05	
BLADEN	322	X	M	130	X	WELL	-	-	NONE	X	U
	335	-		130			X	X		.04	
BLAIR	4.931	1956	M	1,550	N	6 WELLS	-	2.400	I-AT CL DC SC FRS	.70	P
	5.000	1951		1,539			1.530	.450		X	TD G
BLOOMFIELD	1.349	1954	M	522	N	2 WELLS	-	-	NONE	X	X
	1.340	-		522			.130	X		.12	
BLOOMINGTON	176	1955	M	70	N	2 WELLS	-	-	NONE	X	J
	170	-		0			.180	X		.03	
BLUE HILL	723	1947	M	X	N	4 WELLS	-	-	NONE	-	U
	730	-		X			.570	X		-	
BLUE SPRINGS	509	X	M	X	N	WYMORE	-	-	NONE	-	-
	(500)	-		X			-	-		-	
BOELUS	181	1935	M	75	N	WELL	-	-	NONE	X	J
	185	-		70			.072	.020		.03	
BOYS TOWN	997	X	X	X	N	OMAHA	-	-	OMAHA		-
	(1,005)	-		X		METRO U DIST	-	-	METRO U DIST	-	
BRADSHAW	306	1949	M	122	N	2 WELLS	-	-	NONE	X	X
	305	-		0			.238	X		.07	
BRADY	273	1946	M	100	X	WELL	-	-	NONE	X	U
	255	-		0			.360	X		.04	

INVENTORY OF MUNICIPAL WATER FACILITIES

STATE NEBRASKA

COMMUNITY OR FACILITY	1960 Population	Year Oper. Started Present Supply	OWNERSHIP	Number of Services	LAB. CONTROL	SOURCE OF SUPPLY	Safe Yield Impounded MGD	Rated Plant Capacity MGD	TREATMENT	Distrib. Storage MG Pumped to Mains	IMPROVEMENTS NEEDED
	Estimated Population Served	Present Treatment Plant		Number of Meters			Maximum Dependable Draft (Grd. water) MGD	Average Plant Output MGD		Gravity to Mains	
1	2	3	4	5	6	7	8	9	10	11	12
BRAINARD	300 300	1947 -	M	165 165	N	3 WELLS	- .198	- .027	NONE	.06 .05	X
BRIDGEPORT	1.645 1.650	1947 -	M	541 500	X	2 WELLS	- 1.440	- .200	NONE	X .05	X
BRISTOW	153 155	1942 -	M	58 40	X	SPRINGS	- .280	- .015	NONE	X .05	X
BROADWATER	235 215	1955 -	M	93 0	X	2 WELLS	- .410	- X	NONE	X .06	X
BROCK	213 215	1956 -	M	65 0	N	3 WELLS	- .130	- .040	NONE	X .05	U
BROKEN BOW	3.482 3.490	1961 -	M	1,304 1,200	X	5 WELLS	- 2.560	- .650	NONE	X .33	X
BRULE	370 385	1962 -	M	111 111	X	2 WELLS	- .430	- .030	NONE	X .03	U
BRUNING	289 345	1961 -	M	125 125	N	2 WELLS	- .575	- .040	NONE	X .05	X
BRUNO	155 155	1936 -	M	80 80	N	WELL	- .115	- .008	NONE	X .03	U
BRUNSWICK	254 255	X -	M	95 90	N	2 WELLS	- .086	- .025	NONE	X .05	X
BURCHARD	132 120	1957 -	M	68 0	X	2 WELLS	- .036	- .017	NONE	X .03	U
BURR	81 80	1950 X	M	48 0	N	WELL	- .050	.360 .005	DC	.01 X	U
BURWELL	1,425 1,430	1962 -	M	500 500	X	3 WELLS	- 1.000	- X	NONE	X .15	X
BUSHNELL	266 270	1962 -	M	100 2	N	2 WELLS	- .500	- X	NONE	X .06	U
BUTTE	526 510	1960 1961	M	225 200	X	7 WELLS	- .140	X .080	I-AM	X .05	X
BYRON	147 145	1955 -	M	90 70	X	3 WELLS	- .140	- .017	NONE	X .05	M
CAIRO	503 505	1959 -	M	200 0	N	2 WELLS	- .540	- X	NONE	X .04	X
CALLAWAY	603 600	1954 -	M	190 0	N	3 WELLS	- .865	- X	NONE	X .07	X
CAMBRIDGE	1,090 1,075	1953 -	M	425 400	N	5 WELLS	- 1.440	- .150	NONE	.25 .09	X
CAMPBELL	424 430	1936 -	M	230 230	X	2 WELLS	- .500	- X	NONE	X .05	X
CARLETON	207 200	1930 -	M	100 0	N	2 WELLS	- .216	- .035	NONE	X .05	U
CARROLL	220 190	X -	M	135 0	X	2 WELLS	- .430	- X	NONE	X .05	X
CEDAR BLUFFS	585 610	1957 -	M	210 0	X	3 WELLS	- 1.400	- .120	NONE	.06 X	X
CEDAR RAPIDS	512 510	1955 -	M	250 250	N	6 WELLS	- .935	- X	NONE	X .12	X
CENTER	147 145	1960 -	M	58 50	X	2 WELLS	- .086	- .035	NONE	X .03	U
CENTRAL CITY	2,406 2,410	1961 -	M	897 875	N	4 WELLS	- 2.208	- X	NONE	X .09	D
CERESCO	429 445	1958 -	M	170 160	X	3 WELLS	- .510	- .050	NONE	X .03	X
CHADRON	5,079 5,080	1939 1939	M	1,500 1,425	X	IMPOUNDMENT	2.000 -	2.000 .800	P-AT CALO DW MB SB FRS TC	1.04 X	X

INVENTORY OF MUNICIPAL WATER FACILITIES

STATE NEBRASKA

COMMUNITY OR FACILITY	1960 Population Estimated Population Served	Year Oper. Started Present Supply Present Treatment Plant	OWNERSHIP	Number of Services Number of Meters	LAB. CONTROL	SOURCE OF SUPPLY	Safe Yield Impounded MGD Maximum Dependable Draft (Grd. water) MGD	Rated Plant Capacity MGD Average Plant Output MGD	TREATMENT	Distrib. Storage MG Pumped to Mains Gravity to Mains	IMPROVEMENTS NEEDED
1	2	3	4	5	6	7	8	9	10	11	12
CHAPPELL	1,280 1,275	1956 -	M	570 553	X	3 WELLS	- .936	- X	NONE	X .30	X
CHESTER	480 460	1948 -	M	238 230	X	2 WELLS	- .650	- .068	NONE	X .05	X
CLARKS	439 435	1955 -	M	137 0	N	2 WELLS	- X	- .075	NONE	X .06	X
CLARKSON	797 795	X -	M	350 360	N	2 WELLS	- .144	- .160	NONE	X .08	X
CLATONIA	203 205	[illegible] -	[illegible]	108 0	X	WELL	- .144	- X	NONE	X .04	U
CLAY CENTER	792 780	1962 -	M	X X	X	3 WELLS	- 1.440	- X	NONE	X .06	X
CLEARWATER	418 405	1952 -	M	130 0	X	3 WELLS	- .600	- X	NONE	X .04	X
CODY	230 225	1944 -	M	102 86	N	2 WELLS	- X	- X	NONE	X .05	X
COLERIDGE	604 500	X -	M	285 260	N	2 WELLS	- .230	- .092	NONE	X .35	X
COLON	110 105	1956 -	M	46 0	N	2 WELLS	- .023	- X	NONE	X .01	U
COLUMBUS	12,476 13,000	1961 1947	M	3,840 3,840	X	10 WELLS	- 8.300	10.400 1.645	IH-COL DC S FRS	.60 1.80	U
COMSTOCK	235 215	1950 -	M	118 100	X	2 WELLS	- .216	- .015	NONE	X .04	U
CONCORD	150 150	1962 -	M	85 75	N	3 WELLS	- 1.158	- .025	NONE	X .04	X
COOK	313 310	1956 -	M	170 158	N	2 WELLS	- .130	- .025	NONE	X .04	X
CORTLAND	285 285	1951 -	M	100 95	X	2 WELLS	- .100	- .031	NONE	X .04	X
COTESFIELD	81 75	1947 -	M	X X	X	DEEP WELL	- X	- X	NONE	X X	J
COZAD	3,184 3,275	1959 -	M	1,085 X	X	7 WELLS	- 5.760	- X	NONE	X X	X
CRAIG	378 375	X -	M	182 105	N	WELL	- X	- .030	NONE	X .05	X
CRAWFORD	1,588 1,510	1938 1938	M	570 500	X	IMPOUNDMENT & WHITE RIVER	X -	1.200 X	P-CALO DH MB SB FRS TC	.23 X	X
CREIGHTON	1,388 1,380	1956 -	M	600 600	N	2 WELLS	- .345	- .250	NONE	X .12	L
CRESTON	177 160	1947 -	M	[illegible] 83	X	WELL	- .220	- X	NONE	X .04	J
CRETE	3,546 3,500	1954 -	M	1,286 1,298	X	4 WELLS	- 2.160	- .400	NONE	1.03 X	U
CROFTON	604 595	1955 -	M	222 180	X	2 WELLS	- .140	- X	NONE	X .03	U
CROOKSTON	139 130	1959 -	M	X X	X	2 WELLS	- .060	- X	NONE	X .06	J
CULBERTSON	803 805	1948 -	M	300 10	N	2 WELLS	- .516	- X	NONE	X .06	X
CURTIS	868 860	1953 -	M	500 500	N	2 WELLS	- .260	- .250	NONE	X .23	X
DAKOTA CITY	928 1,000	1958 1957	M	220 210	N	2 WELLS	- .144	.515 .070	I-AT CS DC SO FRS	X .04	X
DALTON	503 530	1957 -	M	175 175	X	2 WELLS	- .370	- .041	NONE	X .03	U

INVENTORY OF MUNICIPAL WATER FACILITIES

STATE NEBRASKA

COMMUNITY OR FACILITY 1	1960 Population Estimated Population Served 2	Year Up r. Started Present Supply Present Treatment Plant 3	OWNERSHIP 4	Number of Services Number of Meters 5	LAB. CONTROL 6	SOURCE OF SUPPLY 7	Safe Yield Impounded MGD Maximum Dependable Draft (Grd. water) MGD 8	Rated Plant Capacity MGD Average Plant Output MGD 9	TREATMENT 10	Distrib. Storage MG Pumped to Mains Gravity to Mains 11	IMPROVEMENTS NEEDED 12
DANBURY	185 175	1946 -	M	89 0	N	WELL	- .280	- .022	NONE	X .01	U
DANNEBROG	277 265	1957 -	M	139 139	X	2 WELLS	- .530	- .035	NONE	X .05	X
DAVENPORT	416 480	1957 -	M	203 203	X	4 WELLS	- 1.300	- X	NONE	X .04	X
DAVEY	121 125	1962 -	M	X X	X	3 WELLS	- X	- X	NONE	X X	X
DAVID CITY	2.384 2.900	1959 -	M	910 910	N	4 WELLS	- 1.500	- .375	NONE	.20 .25	U
DAWSON	263 240	1956 -	M	110 0	N	2 WELLS	- .173	- X	NONE	X .05	X
DAYKIN	144 140	1947 -	M	70 70	N	WELL	- .230	- X	NONE	X .04	U
DECATUR	786 780	1941 X	M	300 60	X	WELL & SPRING	- .280	.288 .200	DC	X .11	X
DESHLER	956 950	1953 -	M	381 381	N	3 WELLS	- .650	- .090	NONE	X .05	X
DEWITT	504 500	1954 -	M	233 240	N	2 WELLS	- .350	- .082	NONE	X .04	U
DILLER	286 275	X -	M	126 120	X	3 WELLS	- .140	- X	NONE	.01 X	X
DIX	420 470	1954 -	M	75 0	X	2 WELLS	- .510	- X	NONE	X .04	X
DIXON	139 130	1949 -	M	65 60	X	2 WELLS	- .230	- X	NONE	X .02	X
DODGE	649 650	1944 -	M	280 290	N	2 WELLS	- .500	- .100	NONE	X .06	X
DONIPHAN	390 390	X -	M	175 0	N	2 WELLS	- .130	- .050	NONE	X .06	X
DORCHESTER	460 460	1956 -	M	203 200	N	2 WELLS	- .650	- .055	NONE	X .06	X
DOUGLAS	197 195	1956 -	M	82 0	N	2 WELLS	- .017	- .020	NONE	X .03	U
DUBOIS	218 210	1958 -	M	67 50	X	3 WELLS	- .140	- X	NONE	X .05	X
DUNBAR	232 230	1941 -	M	80 0	N	WELL	- .070	- X	NONE	X .04	U
DUNCAN	294 300	1938 -	M	70 70	N	WELL	- .216	- .020	NONE	X .03	U
DUNNING	210 205	1958 -	M	X X	X	WELL	- X	- X	NONE	X X	U
DWIGHT	209 205	1937 -	M	78 78	N	WELL	- .216	- .030	NONE	- .04	U
EAGLE	302 310	1950 -	M	175 155	N	2 WELLS	- .065	- .026	NONE	X .02	X
EDGAR	730 730	1956 -	M	300 0	N	3 WELLS	- .750	- .200	NONE	X .10	X
EDISON	249 245	1930 -	M	120 115	N	2 WELLS	- .200	- .024	NONE	X .02	X
ELBA	184 175	1956 -	M	83 81	X	2 WELLS	- .430	- .035	NONE	X .04	X
ELGIN	881 880	1944 -	M	345 340	N	2 WELLS	- .250	- .130	NONE	X .06	X
ELK CREEK	170 170	1956 -	M	92 90	N	2 WELLS	- .036	- .010	NONE	- .03	X

INVENTORY OF MUNICIPAL WATER FACILITIES

STATE NEBRASKA

COMMUNITY OR FACILITY 1	1960 Population Estimated Population Served 2	Year Oper. Started Present Supply Present Treatment Plant 3	OWNERSHIP 4	Number of Services Number of Meters 5	LAB. CONTROL 6	SOURCE OF SUPPLY 7	Safe Yield Impounded MGD Maximum Dependable Draft (Grd. water) MGD 8	Rated Plant Capacity MGD Average Plant Output MGD 9	TREATMENT 10	Distrib. Storage MG Pumped to Mains Gravity to Mains 11	IMPROVEMENTS NEEDED 12
ELKHORN	749 840	1957 -	M	X X	X	4 WELLS	- 1.100	- X	NONE	X .05	X
ELM CREEK	770 770	1956 -	M	235 235	X	2 WELLS	- .576	- X	NONE	X .04	X
ELMWOOD	481 495	1957 -	M	185 0	N	3 WELLS	- .450	- .050	NONE	X .02	X
ELSIE	198 190	1949 -	M	76 55	X	2 WELLS	- .370	- .008	NONE	X .06	U
ELWOOD	581 585	1946 -	M	260 0	N	2 WELLS	- .360	- .050	NONE	- .06	X
EMERSON	803 810	1959 X	M	285 280	N	3 WELLS	- .485	.650 .080	I-AT FGS	- .05	X
ERICSON	157 150	1935 -	M	X X	X	WELL	- .216	- X	NONE	X .03	U
EUSTIS	386 375	1940 -	M	177 170	X	2 WELLS	- .216	- .019	NONE	.05 .05	X
EWING	583 575	1947 -	M	175 0	N	2 WELLS	- .395	- .060	NONE	- .06	X
EXETER	745 745	1961 -	M	350 0	N	3 WELLS	- .550	- .090	NONE	- .11	X
FAIRBURY	5,572 5,560	1959 X	M	2,200 2,200	N	4 WELLS	- 2.240	3.150 .900	DC KC VS	2.00 .30	L
FAIRFIELD	495 495	X -	M	225 7	N	2 WELLS	- .080	- .050	NONE	X .04	X
FAIRMONT	829 835	1955 -	M	330 0	N	2 WELLS	- .430	- .085	NONE	- .09	U
FALLS CITY	5,598 5,590	1956 X	M	2,254 2,254	C	10 WELLS	- 2.400	2.750 .700	IH-AC CAL DC SC FGS	1.00 1.00	X
FARNAM	298 235	X -	M	142 142	X	2 WELLS	- .300	- X	NONE	X .06	X
FARWELL	137 130	1951 -	M	75 72	N	2 WELLS	- .144	- X	NONE	- .03	X
FILLEY	149 155	1956 -	M	65 65	X	3 WELLS	- .020	- .040	NONE	.05 X	X
FIRTH	277 285	1946 -	M	75 75	X	WELL	- .140	- .030	NONE	X .04	U
FORDYCE	143 135	X -	M	50 50	X	2 WELLS	- .430	- X	NONE	.03 .03	X
FORT CALHOUN	458 460	1953 1952	M	185 155	N	2 WELLS	- .101	.209 .035	I-ATM CAL DM SO FPS	.06 X	U
FRANKLIN	1,194 1,190	1960 -	M	600 590	N	4 WELLS	- 1.220	- .164	NONE	.03 .05	X
FREMONT	19,698 19,700	1962 -	M	6,371 6,371	X	20 WELLS	- X	- 3.323	NONE	- -	X
FRIEND	1,069 1,060	1954 -	M	550 500	N	2 WELLS	- .650	- .240	NONE	- .09	X
FULLERTON	1,475 1,460	1961 -	M	600 600	X	8 WELLS	- .940	- .125	NONE	X .17	X
FUNK	141 145	1956 -	M	52 52	X	2 WELLS	- .430	- X	NONE	.02 X	X
GARLAND	198 200	1928 -	M	65 65	N	WELL	- .072	- .020	NONE	- .04	U
GENEVA	2,352 2,460	1960 -	M	800 720	X	4 WELLS	- 2.300	- .120	NONE	X .10	X
GENOA	1,009 1,000	1953 -	M	475 470	N	3 WELLS	- .395	- .200	NONE	- .11	U

INVENTORY OF MUNICIPAL WATER FACILITIES

STATE NEBRASKA

COMMUNITY OR FACILITY	1960 Population Estimated Population Served	Year Oper. Served Present Supply Present Treatment Plant	OWNERSHIP	Number of Services Number of Meters	LAB. CONTROL	SOURCE OF SUPPLY	Safe Yield Impounded MGD Maximum Dependable Draft (Grd. water) MGD	Rated Plant Capacity MGD Average Plant Output MGD	TREATMENT	Distrib. Storage MG Pumped to Mains Gravity to Mains	IMPROVEMENTS NEEDED
1	2	3	4	5	6	7	8	9	10	11	12
GERING	4.505 4.330	1958 -	M	1.737 1.438	N	8 WELLS	- 4.800	- X	NONE	X .25	X
GIBBON	1.083 1.090	1956 -	M	X X	X	2 WELLS	- 1.440	- X	NONE	X .07	X
GILTNER	293 295	1948 -	M	102 0	X	2 WELLS	- .430	- X	NONE	X .02	X
GLENVILLE	323 325	X -	M	135 135	N	2 WELLS	- .625	- .025	NONE	X .05	U
GORDON	2.223 2.230	1960 -	M	800 786	N	5 WELLS	- 1.070	- .400	NONE	X .22	X
GOTHENBURG	3.050 3.075	1960 -	M	1.075 967	N	4 WELLS	- 2.240	- X	NONE	- .05	X
GRAFTON	171 175	X -	M	80 0	N	WELL	- .250	- .010	NONE	- .01	U
GRAND ISLAND	25.742 26.000	1962 -	M	8.956 9.124	A	17 WELLS	- 23.000	- 6.680	NONE	3.74 X	U L
GRANT	1.166 1.170	1953 -	M	500 0	N	2 WELLS	- .830	- X	NONE	- .20	U
GREELEY CENTER	656 655	1943 X	M	240 190	N	2 WELLS	- .380	.760 .045	I-AT DC FPS	- .03	X
GREENWOOD	403 415	1956 -	M	140 135	X	2 WELLS	- .720	- .030	NONE	X .03	X
GRESHAM	239 235	X -	M	100 0	N	1 WELL	- .720	- .038	NONE	- .06	U
GRETNA	745 750	1923 -	M	350 350	N	2 WELLS	- .115	- X	NONE	- .05	U
GURLEY	329 365	1956 -	M	100 100	X	3 WELLS	- .430	- X	NONE	X .03	X
HAIGLER	268 265	1954 -	M	145 114	N	2 WELLS	- .380	- .060	NONE	- .06	X
HALLAM	264 270	1962 -	M	99 94	N	2 WELLS	- .087	- .014	NONE	.01 X	U
HAMPTON	331 335	1962 -	M	180 170	N	2 WELLS	- .380	- X	NONE	- .01	X
HARDY	285 265	X -	M	141 130	X	2 WELLS	- .330	- .012	NONE	.02 X	X
HARRISON	448 445	X -	M	180 140	N	2 WELLS	- .230	- .040	NONE	- .06	X
HARTINGTON	1.648 1.640	1959 -	M	600 575	X	4 WELLS	- .860	- .080	NONE	X .08	[illegible]
HARVARD	1.261 1.420	1961 -	M	X X	X	5 WELLS	- 1.200	- X	NONE	X .10	X
HASTINGS	21.412 21.500	1961 -	M	6.700 6.557	N	12 WELLS	- 17.300	- 7.000	NONE	1.50 X	U
HAYES CENTER	283 255	1953 -	M	104 X	X	2 WELLS	- .316	- X	NONE	X .03	X
HAY SPRINGS	823 820	1949 -	M	340 340	N	3 WELLS	- .180	- .200	NONE	- .07	U
HEBRON	1.920 1.910	1956 -	M	735 725	N	3 WELLS	- .650	- .200	NONE	- .50	X
HEMINGFORD	904 900	1953 -	M	350 3	N	3 WELLS	- .720	- X	NONE	- .04	X
HENDERSON	730 750	1957 -	M	285 0	N	2 WELLS	- .288	- .075	NONE	X .06	X
HENRY	138 130	1952 -	M	52 0	X	2 WELLS	- .830	- X	NONE	X .02	X

INVENTORY OF MUNICIPAL WATER FACILITIES

STATE NEBRASKA

COMMUNITY OR FACILITY	1960 Population Estimated Population Served	Year Oper. Started: Present Supply Present Treatment Plant	OWNERSHIP	Number of Services Number of Meters	LAB. CONTROL	SOURCE OF SUPPLY	Safe Yield Impounded MGD Maximum Dependable Draft (Grd. water) MGD	Rated Plant Capacity MGD Average Plant Output MGD	TREATMENT	Distrib. Storage MG: Pumped to Mains Gravity to Mains	IMPROVEMENTS NEEDED
1	2	3	4	5	6	7	8	9	10	11	12
HERMAN	335	1948	M	125	X	2 WELLS	-	X	I-AM DC S FPS	X	X
	320	1960		0			.430	.050		.06	
HERSHEY	504	1953	M	180	N	2 WELLS	-	-	NONE	-	X
	500	-		165			.324	.075		.04	
HICKMAN	288	1957	M	114	X	3 WELLS	-	-	NONE	X	X
	285	-		114			.158	.012		.05	
HILDRETH	305	1944	M	165	N	2 WELLS	-	-	NONE	-	U
	300	-		165			.173	.050		.05	
HOLBROOK	354	1954	M	133	X	2 WELLS	-	-	NONE	X	X
	340	-		0			.166	X		.04	
HOLDREGE	5,226	1962	M	1,800	X	7 WELLS	-	-	NONE	.75	X
	5,290	-		1,827			3.920	1.300		.17	
HOMER	370	1956	M	135	N	2 WELLS	-	-	NONE	.04	X
	380	-		0			.360	.050		X	
HOOPER	832	1956	M	342	N	2 WELLS	-	-	NONE	X	U
	525	-		325			.860	.140		.24	
HORDVILLE	128	1958	M	53	N	WELL	-	-	NONE	X	U
	130	-		0			.360	X		.01	
HOSKINS	179	1958	M	79	X	3 WELLS	-	X	I-AC CAS DC S FPS	X	X
	180	1958		0			.280	.060		.04	
HOWELLS	694	1957	M	325	X	3 WELLS	-	-	NONE	X	X
	670	-		300			.540	X		.10	
HUBBARD	138	1956	M	35	N	WELL	-	-	NONE	X	U
	135	-		0			.120	.010		.04	
HUBBELL	126	1956	M	50	X	2 WELLS	-	-	NONE	X	X
	120	-		50			.144	.015		.03	
HUMBOLDT	1,322	1962	M	530	N	2 WELLS	-	-	NONE	.29	U
	1,300	-		530			.115	.150		.20	
HUMPHREY	801	1954	M	300	N	2 WELLS	-	-	NONE	.10	X
	805	-		300			.430	.100		.05	
HUSKERVILLE	550	X	X	X	N	LINCOLN	-	-	LINCOLN	-	-
	(550)	-		X			-	-		-	
HYANNIS	373	1960	M	120	N	2 WELLS	-	-	NONE	-	U
	370	-		100			.505	.100		.10	L
IMPERIAL	1,423	1957	M	540	X	4 WELLS	-	-	NONE	X	X
	1,375	-		535			.375	.260		.04	
INDIANOLA	754	1934	M	167	X	2 WELLS	-	-	NONE	X	U
	760	-		167			.360	X		.04	
JACKSON	224	1935	M	55	N	2 WELLS	-	-	NONE	.03	X
	230	-		0			.144	.058		.04	
JANSEN	204	1942	M	94	N	2 WELLS	-	-	NONE	-	X
	200	-		94			.032	.020		.05	
JOHNSON	304	1954	M	151	N	3 WELLS	-	-	NONE	-	X
	310	-		151			.144	X		X	
JUNIATA	422	1957	M	[illegible]	N	WELL	-	-	NONE	-	U
	430	-		[illegible]			X	X		.02	
KEARNEY	14,210	1947	M	3,897	X	15 WELLS	-	-	NONE	1.00	U
	14,500	-		3,897			12.100	1.850		.25	
KENESAW	546	1951	M	235	X	2 WELLS	-	-	NONE	X	X
	535	-		0			.650	X		.04	
KENNARD	331	1950	M	102	N	2 WELLS	-	-	NONE	-	X
	335	-		0			.101	.017		.02	
KILGORE	157	1955	M	46	N	2 WELLS	-	-	NONE	-	X
	150	-		34			.086	X		.15	
KIMBALL	4,384	1956	M	815	X	5 WELLS	-	-	NONE	X	X
	5,160	-		815			3.200	.600		.05	

INVENTORY OF MUNICIPAL WATER FACILITIES

STATE **NEBRASKA**

COMMUNITY OR FACILITY	1960 Population Estimated Population Served	Year Oper. Started: Present Supply Present Treatment Plant	OWNERSHIP	Number of Services Number of Meters	LAB. CONTROL	SOURCE OF SUPPLY	Safe Yield Impounded MGD Maximum Dependable Draft (Grd. water) MGD	Rated Plant Capacity MGD Average Plant Output MGD	TREATMENT	Distrib. Storage MG: Pumped to Mains Gravity to Mains	IMPROVEMENTS NEEDED
1	2	3	4	5	6	7	8	9	10	11	12
LAUREL	922 920	1961 -	M	450 375	N	2 WELLS	- .360	- .100	NONE	- .07	U L
LAWRENCE	338 335	1962 -	M	152 145	N	5 WELLS	- .100	- .015	NONE	X .05	X
LEBANON	143 120	1957 -	M	X X	X	2 WELLS	- X	- X	NONE	X X	X
LEIGH	502 485	1954 -	M	224 220	X	2 WELLS	- .720	- .046	NONE	X .05	X
LEXINGTON	5,572 5,700	1961 -	M	1,920 350	X	9 WELLS	- 5.600	- 1.500	NONE	- .09	L
LIBERTY	174 170	1956 -	M	80 0	N	2 WELLS	- .043	- .018	NONE	- .04	X
* LINCOLN	128,521 135,000	1956 1960	M	33,542 33,542	X	63 WELLS	- 70.000	30.000 21.390	I-AC DC NG SC FCRS	38.00 .36	DL
LINDSAY	218 210	1956 -	M	84 0	X	3 WELLS	- .630	- .035	NONE	X .06	X
LITCHFIELD	264 260	1949 -	M	130 0	N	2 WELLS	- .500	- .050	NONE	- .08	X
LODGEPOLE	492 490	X -	M	177 0	N	3 WELLS	- .432	- X	NONE	- .03	U
LONG PINE	487 460	1932 -	M	210 150	X	SPRING	- .580	- .075	NONE	X .30	X
LOOMIS	299 325	1956 -	M	108 108	X	2 WELLS	- .196	- X	NONE	X .04	X
LOUISVILLE	1,194 1,255	1951 -	M	365 365	X	2 WELLS	- .870	- X	NONE	X .06	X
LOUP CITY	1,415 1,380	1955 -	M	550 550	X	2 WELLS	- 1.110	- .270	NONE	.45 X	X
LYMAN	626 620	1961 -	M	185 0	N	3 WELLS	- .445	- X	NONE	- .10	X
LYNCH	409 400	X -	M	166 150	N	17 SPRINGS	- .580	- .020	NONE	.10 X	U
LYONS	974 970	1950 1938	M	465 455	N	2 WELLS	- .288	.650 .168	IH-ACM CAL SB FGS	- .09	U
MC COOK	8,301 8,350	1955 -	M	2,875 2,850	X	6 WELLS	- 6.900	- 2.000	NONE	- 2.74	X
MC LEAN	73 75	1949 -	M	26 0	X	2 WELLS	- .144	- X	NONE	.01 X	X
MADISON	1,513 1,500	1958 -	M	645 645	X	3 WELLS	- 1.140	- .300	NONE	- .11	X
MADRID	271 260	1951 -	M	115 115	N	2 WELLS	- .216	- .050	NONE	- .05	X
MAGNET	116 115	1962 -	M	37 0	N	WELL	- .021	- .025	NONE	- .01	J
MALMO	135 130	1942 -	M	58 56	X	WELL	- .115	- .015	NONE	X .03	J
MARQUETTE	210 210	1957 -	M	107 0	X	2 WELLS	- .430	- X	NONE	X .03	X
MASKELL	54 50	X -	M	40 0	N	WELL	- .720	- X	NONE	X .02	J
MASON CITY	277 295	1959 -	M	100 90	X	3 WELLS	- .510	- .070	NONE	X .52	X
MAYWOOD	337 315	1958 -	M	160 0	X	4 WELLS	- .504	- X	NONE	X .85	X
MEAD	428 430	1958 -	M	175 0	N	2 WELLS	- .430	- .090	NONE	- .04	X

INVENTORY OF MUNICIPAL WATER FACILITIES

STATE **NEBRASKA**

COMMUNITY OR FACILITY 1	1960 Population Estimated Population Served 2	Year Oper. Started Present Supply Present Treatment Plant 3	OWNERSHIP 4	Number of Services Number of Meters 5	LAB. CONTROL 6	SOURCE OF SUPPLY 7	Safe Yield Impounded MGD Maximum Dependable Draft (Grd. water) MGD 8	Rated Plant Capacity MGD Average Plant Output MGD 9	TREATMENT 10	Distrib. Storage MG Pumped to Mains Gravity to Mains 11	IMPROVEMENTS NEEDED 12
MEADOW GROVE	430 435	1949 -	M	165 0	N	2 WELLS	- .288	- .100	NONE	- .01	X
MERNA	349 335	1949 -	M	150 0	N	2 WELLS	- .720	- .015	NONE	- .02	X
MERRIMAN	285 290	1956 -	M	70 0	X	2 WELLS	- .603	- .012	NONE	X .03	X
MILFORD	1,462 1,630	1956 -	M	320 300	X	6 WELLS	- .504	- X	NONE	.10 .05	X
MILLARD	1,014 2,000	1955 -	M	600 550	N	3 WELLS	- .540	- X	NONE	- .50	X
MILLER	137 125	1955 -	M	50 50	X	WELL	- .173	- .025	NONE	X .01	U
MILLIGAN	323 320	1938 -	M	108 105	N	2 WELLS	- .165	- .060	NONE	- .06	X
MINATARE	694 900	1955 -	M	240 0	X	3 WELLS	- .648	- X	NONE	X .08	X
MINDEN	2,383 2,390	1962 -	M	975 975	X	5 WELLS	- 3.740	- .329	NONE	.07 .40	X
MITCHELL	1,920 1,910	1961 -	M	600 600	X	3 WELLS	- 1.730	- .300	NONE	- .10	L
MONOWI	40 30	X -	M	9 0	N	WELL	- .072	- X	NONE	.01 X	U
MONROE	261 260	1946 -	M	92 0	X	WELL	- .346	- .016	NONE	.01 X	U
MOOREFIELD	55 55	X -	M	20 20	N	WELL	- .058	- X	NONE	- .02	U
MORRILL	884 890	1953 -	M	401 50	X	5 WELLS	- 1.870	- .245	NONE	X .05	X
MORSE BLUFF	119 120	1931 -	M	60 60	N	2 WELLS	- .115	- .012	NONE	.06 X	X
MULLEN	811 900	1948 -	M	300 315	N	4 WELLS	- .850	- .075	NONE	X .04	X
MURDOCK	247 245	1954 -	M	110 110	N	2 WELLS	- .072	- .030	NONE	X .03	X
MURRAY	279 290	1954 -	M	X X	X	2 WELLS	- .098	- X	NONE	X .02	X
NAPER	198 190	X -	M	60 58	N	WELL	- X	- X	NONE	- .03	U
NAPONEE	206 200	1961 -	M	100 0	N	2 WELLS	- .135	- .010	NONE	- .03	U
NEBRASKA CITY	7,252 7,250	1956 1947	M	2,566 2,576	A	3 WELLS	- 2.160	3.240 1.400	PIH-AT CAL SC DC FRS VS	.10 .75	U
NEHAWKA	262 260	1946 1946	M	95 95	X	2 WELLS	- .028	.057 .020	IH-AT CS DC S FPS	.04 X	X
NELIGH	1,776 1,775	1962 -	M	650 650	X	8 WELLS	- 1.600	- .250	NONE	.25 .05	X
NELSON	695 660	1948 X	M	288 288	X	ELK CREEK & WELL	X X	.600 .100	P-AT CAL MB SB FRS	.10 .10	X
NEWCASTLE	357 340	1948 -	M	138 0	X	2 WELLS	- .260	- .060	NONE	X .06	X
NEWMAN GROVE	880 840	1950 -	M	404 400	X	2 WELLS	- .720	- .045	NONE	X .01	X
NEWPORT	162 130	1959 -	M	70 0	N	WELL	- .260	- .045	NONE	X .05	U
NIOBRARA	736 735	1951 -	M	183 183	N	2 WELLS	- .216	- X	NONE	X .06	U

INVENTORY OF MUNICIPAL WATER FACILITIES

STATE NEBRASKA

COMMUNITY OR FACILITY	1960 Population Estimated Population Served	Year Oper. Started: Present Supply Present Treatment Plant	OWNERSHIP	Number of Services Number of Meters	LAB. CONTROL	SOURCE OF SUPPLY	Safe Yield Impounded MGD Maximum Dependable Draft (Grd. water) MGD	Rated Plant Capacity MGD Average Plant Output MGD	TREATMENT	Distrib. Storage MG: Pumped to Mains Gravity to Mains	IMPROVEMENTS NEEDED
1	2	3	4	5	6	7	8	9	10	11	12
NORFOLK	13,640 13,700	1963 X	M	4,500 4,500	X	5 WELLS	- 4.240	5.690 1.867	I-AT SC FGS	.75 .75	U T L
NORMAN	57 55	1941 -	M	X X	X	WELL	- X	- X	NONE	X .07	U
NORTH BEND	1,174 1,175	1949 1941	M	440 420	X	2 WELLS	- .360	.346 X	I-AC S FGS	1.20 X	U
NORTH LOUP	453 430	1952 -	M	200 180	X	2 WELLS	- .720	- X	NONE	X .04	X
NORTH PLATTE	17,184 18,500	1960 -	M	5,300 5,151	X	11 WELLS	- 20.300	- 3.258	NONE	- -	X
OAKDALE	397 360	1953 -	M	500 500	X	2 WELLS	- .604	- X	NONE	.01 X	X
OAKLAND	1,429 1,420	X X	M	599 583	X	3 WELLS	- 1.230	X .250	I-ACM DC SB FPS	- .06	X
OBERT	42 40	X -	M	34 0	X	2 WELLS	- X	- .002	NONE	X X	X
OCONTO	219 200	1955 -	M	97 83	N	2 WELLS	- .087	- .010	NONE	- .04	X
ODELL	358 350	1956 -	M	150 150	N	2 WELLS	- .085	- .030	NONE	X .01	X
OGALLALA	4,250 4,520	1960 -	M	1,200 1,200	X	4 WELLS	- 2.800	- X	NONE	X .20	X
OHIOWA	195 190	1926 -	M	99 91	N	2 WELLS	- .015	- X	NONE	X .01	X
* OMAHA METRO U DIST	301,598 303,305	1889 1958	P	73,540 75,911	A	MISSOURI RIVER	NO LIMIT -	140.000 57.150	P-SN CAIL MB TC SO KP FRS DCS (V 0.50)	69.00 -	U MP T L
O NEILL	3,181 3,230	1959 -	M	1,000 [illegible]	X	5 WELLS	- 1.080	- .290	NONE	X .15	X
ORCHARD	421 420	1946 -	M	200 170	N	2 WELLS	- .790	- X	NONE	X .06	X
ORD	2,413 2,470	1958 1928	M	915 915	X	[illegible] WELLS	- X	.518 .190	DC	.30 X	X
ORLEANS	608 610	1948 -	M	320 320	N	5 WELLS	- 1.340	- X	NONE	X .09	X
OSCEOLA	1,013 900	1956 -	M	400 40	X	3 WELLS	- .667	- X	NONE	X .17	X
OSHKOSH	1,025 1,000	1945 -	M	420 412	N	2 WELLS	- .288	- .200	NONE	- .05	U
OSMOND	719 715	1959 -	M	230 0	X	3 WELLS	- .561	- X	NONE	X .05	X
OTOE	225 220	1938 -	M	55 0	X	WELL	- .072	- X	NONE	X .05	J
OVERTON	523 530	1946 -	M	172 172	X	2 WELLS	- .864	- X	NONE	X .10	X
OXFORD	1,090 1,030	1955 -	M	425 320	X	4 WELLS	- 2.600	- X	NONE	X .10	X
PAGE	230 220	1920 -	M	110 101	N	2 WELLS	- .180	- .009	NONE	- .04	U
PALISADE	544 490	1950 -	M	220 220	X	2 WELLS	- 1.580	- X	NONE	.39 X	X
PALMER	418 410	1941 -	M	150 150	X	2 WELLS	- .864	- X	NONE	X .03	X
PALMYRA	377 380	1946 -	M	X X	X	3 WELLS	- .216	- X	NONE	X .03	X
PANAMA	155 150	1957 -	M	65 60	N	2 WELLS	- .015	- X	NONE	.01 -	U

INVENTORY OF MUNICIPAL WATER FACILITIES

STATE NEBRASKA

COMMUNITY OR FACILITY	1960 Population Estimated Population Served	Year Oper. Started Present Supply Present Treatment Plant	OWNERSHIP	Number of Services Number of Meters	LAB. CONTROL	SOURCE OF SUPPLY	Safe Yield Impounded MGD Maximum Dependable Draft (Grd. water) MGD	Rated Plant Capacity MGD Average Plant Output MGD	TREATMENT	Distrib. Storage MG Pumped to Mains Gravity to Mains	IMPROVEMENTS NEEDED
1	2	3	4	5	6	7	8	9	10	11	12
PAPILLION	2,235 2,630	1962 -	M	849 849	N	4 WELLS	- .720	- .275	NONE	X .07	X
PAWNEE CITY	1,343 1,345	1956 X	M	530 530	X	3 WELLS	- .216	.575 .110	I-AT DC FZ	.20 .10	X
PAXTON	566 560	1954 -	M	256 250	N	2 WELLS	- .788	- .075	NONE	- .05	X
PENDER	1,165 1,165	1952 -	M	500 500	N	3 WELLS	- .430	- .100	NONE	.10 .05	U
PERU	1,151 1,110	X X	M	260 260	X	2 WELLS	- .403	.403 .180	DC	X .06	X
PETERSBURG	400 370	1946 -	M	160 95	X	2 WELLS	- .302	- .024	NONE	X .05	X
PHILLIPS	192 190	1948 -	M	74 0	X	2 WELLS	- .288	- .040	NONE	X .04	U
PICKRELL	130 120	1953 -	M	70 65	X	WELL	- .072	- .016	NONE	X .01	U
PIERCE	1,216 1,225	1953 -	M	467 467	N	2 WELLS	- .505	- X	NONE	X .05	U
PILGER	491 485	1947 -	M	184 180	N	2 WELLS	- X	- .025	NONE	- .03	X
PLAINVIEW	1,467 1,700	1962 -	M	480 450	X	3 WELLS	- .830	- X	NONE	.03 X	L
PLATTE CENTER	402 395	1923 -	M	153 0	X	2 WELLS	- .389	- X	NONE	X .06	X
PLATTSMOUTH	6,244 6,500	1949 X	M	1,745 1,675	X	3 WELLS	- 1.730	2.740 .600	I-AC CL DC SC FOS	1.00 .30	X
PLEASANTON	199 200	1957 -	M	94 0	X	2 WELLS	- .288	- X	NONE	X .06	U
PLYMOUTH	372 400	1960 -	M	167 169	N	3 WELLS	- .460	- .040	NONE	- .06	X
POLK	433 420	1954 -	M	220 0	N	2 WELLS	- .283	- X	NONE	X .05	X
PONCA	924 940	X -	M	330 0	N	2 WELLS	- .360	- .100	NONE	X .10	X
POTTER	554 565	1944 -	M	184 1	N	3 WELLS	- .835	- .050	NONE	- .05	X
PRAGUE	372 365	1961 1958	M	170 170	X	3 WELLS	- .144	.173 .040	I-AT CAS DC SC FPS	.01 .05	X
PRIMROSE	117 100	1924 -	M	50 2	N	WELL	- .094	- .008	NONE	- .04	U
RAGAN	90 85	X -	M	X X	X	WELL	- X	- X	NONE	.01 X	J D
RALSTON	2,977 3,500	1961 -	M	982 982	N	6 WELLS	- .850	- .450	NONE	- .50	X
RANDOLPH	1,063 1,070	1955 -	M	415 382	N	2 WELLS	- .432	- .218	NONE	- .21	X
RAVENNA	1,417 1,410	1955 -	M	600 600	N	3 WELLS	- 1.150	- X	NONE	.30 X	X
RED CLOUD	1,525 1,500	1955 -	M	725 700	N	7 WELLS	- 1.910	- .212	NONE	- .07	X
REPUBLICAN CITY	189 190	1950 -	M	90 0	N	WELL	- .144	- X	NONE	- .04	U
REYNOLDS	131 125	1956 -	M	65 3	N	WELL	- .144	- .015	NONE	.01 -	U
RISING CITY	308 285	1954 -	M	140 140	N	2 WELLS	- .230	- X	NONE	X .08	X

INVENTORY OF MUNICIPAL WATER FACILITIES

STATE NEBRASKA

COMMUNITY OR FACILITY	1960 Population / Estimated Population Served	Year Oper. Started / Present Supply / Present Treatment Plant	OWNERSHIP	Number of Services / Number of Meters	LAB. CONTROL	SOURCE OF SUPPLY	Safe Yield Impounded MGD / Maximum Dependable Draft (Grd. water) MGD	Rated Plant Capacity MGD / Average Plant Output MGD	TREATMENT	Distrib. Storage MG / Pumped to Mains / Gravity to Mains	IMPROVEMENTS NEEDED
1	2	3	4	5	6	7	8	9	10	11	12
RIVERTON	303	1954	M	139	N	WELL	-	-	NONE	X	U
	290	-		0			.370	.034		.07	
ROCA	123	1954	M	39	N	WELL	-	-	NONE	.01	U
	130	-		39			.072	X		v	
ROGERS	162	1950	M	22	X	WELL	-	-	NONE	X	U
	190	-		0			.432	X		.02	
ROSALIE	182	X	M	68	X	2 WELLS	-	-	NONE	X	X
	180	-		0			.280	.020		.03	
ROYAL	93	1924	M	50	X	WELL	-	-	NONE	X	U
	80	-		0			.094	X		.03	
RUSHVILLE	1,228	1948	M	450	N	3 WELLS	-	-	NONE	X	X
	1,215	-		456			.706	.150		.20	
RUSKIN	203	1955	M	100	X	2 WELLS	-	-	NONE	X	X
	200	-		100			.792	X		.05	
SAINT EDWARD	777	1954	M	300	N	2 WELLS	-	-	NONE	X	U
	730	-		0			.520	X		.10	
SAINT PAUL	1,714	1961	M	690	N	5 WELLS	-	-	NONE	X	U
	1,715	-		670			1.510	.262		.25	
SALEM	261	1953	M	95	N	2 WELLS	-	-	NONE	X	X
	235	-		10			.072	.025		.05	
SARGENT	876	1962	M	368	X	4 WELLS	-	-	NONE	X	X
	895	-		0			1.440	X		.06	
SCHUYLER	3,096	1960	M	974	N	3 WELLS	-	-	NONE	X	X
	3,160	-		950			1.880	.275		.09	
SCOTIA	350	1960	M	160	X	3 WELLS	-	-	NONE	.01	X
	310	-		155			.604	-		X	
SCOTTSBLUFF	13,377	1951	M	4,300	X	7 WELLS	-	-	NONE	X	X
	13,575	-		4,300			10.700	3.256		.65	
SCRIBNER	1,021	1950	M	360	X	2 WELLS	-	.230	I-AC DC 90 FPS	X	X
	1,055	1950		360			1.080	X		.06	
SEWARD	4,208	1962	M	1,450	X	7 WELLS	-	-	NONE	.50	
	4,500	-		1,459			2.290	.587		.20	L
SHELBY	613	1945	M	230	X	2 WELLS	-	-	NONE	X	X
	610	-		230			.360	.138		.12	
SHELTON	904	1961	M	330	N	4 WELLS	-	-	NONE	X	X
	870	-		0			1.400	X		.04	
SHICKLEY	371	1952	M	175	N	2 WELLS	-	-	NONE	X	X
	385	-		1			.288	.075		.02	
SHOLES	26	X	M	14	X	WELL	-	-	NONE	X	
	25	-		0			.001	.001		X	
SHUBERT	231	1956	M	85	N	2 WELLS	-	-	NONE	X	X
	210	-		0			.094	X		.05	
SIDNEY	8,004	1949	M	2,250	X	6 WELLS	-	-	NONE	X	X
	9,000	-		2,250			X	1.750		1.23	
SILVER CREEK	431	1953	M	132	X	3 WELLS	-	-	NONE	.01	X
	430	-		13			1.440	X		X	
SNYDER	325	1960	M	150	X	4 WELLS	-	-	NONE	X	X
	310	-		145			.648	.040		.07	
SOUTH SIOUX CITY	7,200	1956	M	2,050	X	4 WELLS	-	3.820	I-AT CL DC S FRS	.25	U
	7,700	1956		2,045			2.310	X		.25	
SPALDING	683	X	M	296	N	2 WELLS	-	-	NONE	.09	X
	670	-		289			.550	X		X	
SPENCER	671	1954	M	300	N	2 WELLS	-	-	NONE	X	U
	710	-		250			.144	X		.05	
SPRINGFIELD	506	1949	M	225	N	2 WELLS	-	-	NONE	X	U
	540	-		0			.216	.050		.03	L

INVENTORY OF MUNICIPAL WATER FACILITIES

STATE NEBRASKA

COMMUNITY OR FACILITY	1960 Population Estimated Population Served	Year Oper. Started Present Supply Present Treatment Plant	OWNERSHIP	Number of Services Number of Meters	LAB. CONTROL	SOURCE OF SUPPLY	Safe Yield Impounded MGD Maximum Dependable Draft (Grd. water) MGD	Rated Plant Capacity MGD Average Plant Output MGD	TREATMENT	Distrib. Storage MG Pumped to Mains Gravity to Mains	IMPROVEMENTS NEEDED
1	2	3	4	5	6	7	8	9	10	11	12
SPRINGVIEW	281 275	1955 -	M	115 115	X	3 WELLS	- .195	- .030	NONE	.02 X	X
STAMFORD	220 205	1961 -	M	123 120	N	2 WELLS	- .043	- .043	NONE	.05 X	X
STANTON	1,317 1,290	1959 -	M	550 500	X	6 WELLS	- 1.200	- .110	NONE	X .04	X
STAPLEHURST	240 245	1946 -	M	X X	X	WELL	- .140	- X	NONE	X .05	U
STAPLETON	359 360	1952 -	M	X X	X	2 WELLS	- .432	- X	NONE	X .06	X
STEINAUER	124 120	1947 -	M	32 0	X	WELL	- .288	- .030	NONE	X .04	U
STELLA	262 240	1935 -	M	114 0	N	1 WELL	- .140	- X	NONE	X .04	U
STERLING	471 450	1952 -	M	X X	X	WELL	- .140	- X	NONE	X .05	U
STOCKVILLE	91 80	1939 -	M	42 42	N	WELL	- .043	- .018	NONE	.03 X	U
STRATTON	492 460	1960 X	M	255 255	N	3 WELLS	- .576	.064 X	DH	X .09	X
STROMSBURG	1,244 1,250	1955 X	M	472 472	N	2 WELLS	- .720	1.440 X	I-AT CL SB FGS	X .13	X
STUART	794 795	1949 -	M	225 225	N	2 WELLS	- .433	- .140	NONE	X .04	P
SUPERIOR	2,935 2,800	1954 1956	M	1,109 1,109	C	5 WELLS	- 2.440	1.600 .360	IH-AT CAL DC MB SB FPS VS	.95 .35	X
SUTHERLAND	867 870	1952 -	M	350 320	N	WELL	- 1.300	- X	NONE	X .06	U
SUTTON	1,252 1,220	1954 -	M	578 542	X	2 WELLS	- .866	- .165	NONE	X .07	X
SWANTON	190 185	X -	M	90 0	X	WELL	- .144	- X	NONE	X .03	U
SYRACUSE	1,261 1,320	1957 -	M	663 658	X	6 WELLS	- .288	- .121	NONE	X .10	X
TABLE ROCK	422 390	1956 -	M	191 200	N	2 WELLS	- .058	- .035	NONE	X .05	X
TALMAGE	361 375	1956 X	M	164 0	X	3 WELLS	- .403	X .050	I-AH DC S FP	X .01	X
TECUMSEH	1,887 1,870	1948 -	M	746 746	N	3 WELLS	- 1.110	- .536	NONE	X .10	G
TEKAMAH	1,788 1,740	1961 -	M	760 752	N	4 WELLS	- .935	- .100	NONE	X .27	X
TERRYTOWN	164 135	1960 -	M	100 0	X	WELL	- 1.440	- X	NONE	.08 X	U
THEDFORD	303 310	1946 -	M	102 100	X	2 WELLS	- .360	- X	NONE	.01 X	U
THURSTON	.140 135	1922 -	M	53 0	X	WELL	- .140	- X	NONE	X .03	U
TILDEN	917 880	1956 -	M	385 0	X	3 WELLS	- .650	- .140	NONE	X .06	U P
TOBIAS	202 190	1953 -	M	100 100	N	WELL	- .140	- X	NONE	X .06	U
TRENTON	914 820	1962 -	M	400 0	N	4 WELLS	- .935	- .230	NONE	X .01	X
TRUMBULL	173 180	1956 -	M	60 0	N	2 WELLS	- 1.080	- X	NONE	.01 X	X

INVENTORY OF MUNICIPAL WATER FACILITIES

STATE **NEBRASKA**

COMMUNITY OR FACILITY	1960 Population Estimated Population Served	Year Oper. Started: Present Supply Present Treatment Plant	OWNERSHIP	Number of Services Number of Meters	LAB. CONTROL	SOURCE OF SUPPLY	Safe Yield Impounded MGD Maximum Dependable Draft (Grd. water) MGD	Rated Plant Capacity MGD Average Plant Output MGD	TREATMENT	Distrib. Storage MG: Pumped to Mains Gravity to Mains	IMPROVEMENTS NEEDED
1	2	3	4	5	6	7	8	9	10	11	12
UEHLING	231 225	1947 -	M	105 105	N	2 WELLS	- X	- .015	NONE	X .06	X
ULYSSES	357 360	1955 -	M	155 153	X	2 WELLS	- .331	- .045	NONE	.01 .05	X
UNADILLA	254 270	1947 -	M	90 90	X	2 WELLS	- .043	- .025	NONE	X .03	X
UNION	303 310	1956 -	M	112 110	X	2 WELLS	- .230	- .025	NONE	X .05	X
UPLAND	237 240	1952 -	M	114 114	N	2 WELLS	- .216	- X	NONE	.04 X	X
UTICA	564 570	1961 -	M	237 200	X	4 WELLS	- 1.152	- X	NONE	.04 -	X
VALENTINE	2,875 2,930	1962 -	M	900 810	X	6 WELLS	- 2.160	- X	NONE	X .20	X
VALLEY	1,452 1,550	X -	M	400 0	N	3 WELLS	- 1.080	- .250	NONE	X .12	U
VALPARAISO	394 395	X -	M	X X	X	3 WELLS	- 1.000	- X	NONE	X .08	X
VENANGO	227 225	X -	M	70 0	X	2 WELLS	- .288	- X	NONE	X .05	X
VERDEL	123 115	X -	M	30 0	N	WELL	- .216	- X	NONE	X .02	U
VERDIGRE	584 590	X -	M	252 175	N	2 WELLS	- .091	- .060	NONE	X .09	X
VERDON	267 240	1955 -	M	130 75	N	WELL	- .173	- X	NONE	X .03	U
WACO	166 160	1955 -	M	74 5	N	2 WELLS	- .072	- .012	NONE	X .05	X
WAHOO	3,610 3,730	1953 -	M	1,196 1,196	X	4 WELLS	- 2.880	- .440	NONE	X .10	X
WAKEFIELD	1,068 1,090	1961 1956	M	467 449	N	2 WELLS	- .187	.692 .200	I-AC S FP	.01 .08	U
WALLACE	293 270	1946 -	M	183 180	N	WELL	- .360	- X	NONE	X .03	U
WALTHILL	844 800	1962 1953	M	270 8	N	2 WELLS	- .432	.864 X	I-AM DC FGA	.40 X	X
WATERLOO	516 560	1950 -	M	160 0	N	WELL	- .360	- X	NONE	.04 X	U
WAUNETA	794 750	1950 -	M	425 350	X	2 WELLS	- 1.150	- X	NONE	X X	X
WAUSA	724 730	X -	M	400 287	N	2 WELLS	- .220	- .050	NONE	.17 .02	U
WAVERLY	511 570	1961 -	M	125 110	X	WELL	- .430	- .050	NONE	X .06	U
WAYNE	4,217 4,500	1954 -	M	1,200 1,200	N	4 WELLS	- 1.580	- .500	NONE	X .84	X
WEEPING WATER	1,048 1,030	1957 1956	M	400 400	N	2 WELLS	- .123	.245 .060	P-AT CAL MB SB FRS DC	.78 X	X
WESTERN	351 300	1949 -	M	169 0	N	2 WELLS	- .065	- .049	NONE	.02 X	U
WEST LINCOLN	507 (530)	X -	X	X X	N	LINCOLN	- -	- -	LINCOLN	- -	-
WESTON	340 335	1958 -	M	141 114	N	2 WELLS	- .086	- .020	NONE	X .03	X
WEST POINT	2,921 3,100	1961 1962	M	900 900	N	6 WELLS	- 1.340	2.350 .425	I-AM CS DC SC FP	.25 X	U L

INVENTORY OF MUNICIPAL WATER FACILITIES

STATE NEBRASKA

COMMUNITY OR FACILITY	1960 Population Estimated Population Served	Year Oper. Started Present Supply Present Treatment Plant	OWNERSHIP	Number of Services Number of Meters	LAB. CONTROL	SOURCE OF SUPPLY	Safe Yield Impounded MGD Maximum Dependable Draft (Grd. water) MGD	Rated Plant Capacity MGD Average Plant Output MGD	TREATMENT	Distrib. Storage MG: Pumped to Mains Gravity to Mains	IMPROVEMENTS NEEDED
1	2	3	4	5	6	7	8	9	10	11	12
WHITNEY	98 80	1947 -	M	X 0	N	3 WELLS	- .120	- .015	NONE	.03 .03	U'
WILBER	1,358 1,360	1953 -	M	552 557	N	3 WELLS	- 1.010	- .157	NONE	X .15	X
WILCOX	260 230	X -	M	110 0	N	2 WELLS	- .360	- .020	NONE	X .07	X
WILSONVILLE	289 275	1949 -	M	100 100	X	2 WELLS	- X	- X	NONE	.07 X	X
WINNEBAGO	682 680	1956 -	M	42 0	X	2 WELLS	- .504	- .060	NONE	X .05	X
WINNETOON	85 80	X -	M	40 0	N	WELL	- .036	- .010	NONE	X .05	U'
WINSIDE	416 405	1957 -	M	X X	X	3 WELLS	- .259	- X	NONE	X .05	X
WINSLOW	136 130	1941 -	M	43 41	N	WELL	- .072	- X	NONE	X .03	U
WISNER	1,192 1,150	1941 -	M	525 500	N	2 WELLS	- .288	- .224	NONE	X .11	X
WOLBACH	382 360	1949 -	M	190 190	X	3 WELLS	- 3.890	- X	NONE	.04 X	X
WOOD LAKE	197 185	1949 -	M	70 70	X	2 WELLS	- .360	- .043	NONE	X .04	X
WOOD RIVER	828 860	1941 -	M	400 0	N	2 WELLS	- .012	- X	NONE	X .17	U
* WYMORE	1,975 1,700	1953 -	M	804 804	N	5 WELLS	- 1.440	- .174	NONE	.05 .25	U
WYNOT	209 250	1949 -	M	55 0	N	2 WELLS	- .288	- .045	NONE	.12 X	X
YORK	6,173 6,170	1962 -	M	2,200 2,200	N	6 WELLS	- 2.880	- .731	NONE	.15 .29	L
YUTAN	335 350	1955 -	M	138 138	N	2 WELLS	- .360	- .050	NONE	X .05	X

SUMMARY OF WATER POLLUTION SURVEILLANCE SYSTEM DATA

1962-63 Water Year and

First 6 Months of Water Year 1963-64

B-215-a

NATIONAL WATER QUALITY NETWORK

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE KANSAS
MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIVER
MINOR BASIN ARK. RIVER, KANS-COLO LINE TO TULSA
STATION LOCATION ARKANSAS RIVER AT
COOLIDGE, KANSAS

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	1	62	-	-	-	-	-	-	-	-	166	188	1630	0	*25	2400	.0	4100	-
10	8	62	-	-	8.0	-	-	-	-	-	176	170	1470	0	*25	2250	.0	4030	-
10	14	62	-	-	7.8	-	-	-	-	-	168	188	1580	0	*25	2400	.0	4170	-
10	22	62	-	-	-	-	-	-	-	-	158	180	1560	0	*25	2300	.0	4070	-
10	29	62	-	-	-	-	-	-	-	-	168	200	1560	0	*25	2300	.0	4043	-
11	5	62	-	-	8.0	-	-	-	-	-	204	186	1540	0	*25	2200	.0	4060	-
11	12	62	-	-	8.0	-	-	-	-	-	198	196	1560	5	*25	2200	.0	-	-
11	19	62	-	-	8.0	-	-	-	-	-	156	216	1550	0	240	2300	.0	3980	-
11	26	62	-	-	7.9	-	-	-	-	-	147	190	1570	0	130	2300	.0	4000	-
12	3	62	-	-	8.0	-	-	-	-	-	126	150	1540	0	140	2100	.0	3930	-
12	10	62	-	-	8.1	-	-	-	-	-	100	182	1440	0	120	2200	.0	3900	-
12	17	62	-	-	8.0	-	-	-	-	-	150	204	1570	5	*25	2150	.0	3840	-
12	24	62	-	-	7.9	-	-	-	-	-	152	204	1740	-	145	2400	.0	4170	-
1	2	63	-	-	7.9	-	-	-	-	-	-	228	1700	-	*25	2300	.0	3970	-
1	7	63	-	-	8.0	-	-	-	-	-	160	216	1490	-	*25	2000	.0	3840	-
1	14	63	-	-	7.8	-	-	-	-	-	196	280	1890	-	*25	2800	.0	3835	-
1	21	63	-	-	7.9	-	-	-	-	-	156	236	1630	-	*25	3100	.0	4102	-
1	28	63	-	-	7.9	-	-	-	-	-	160	250	1700	-	*25	2400	.1	4300	-
2	4	63	-	-	7.9	-	-	-	-	-	120	210	1500	-	230	2100	.0	3600	-
2	11	63	-	-	7.7	-	-	-	-	-	130	208	1540	5	*25	2200	.0	3730	-
2	19	63	-	-	7.8	-	-	-	-	-	132	220	1460	0	140	2050	.0	3850	
2	25	63	-	-	7.8	-	-	-	-	-	134	220	1530	0	100	2200	.0	3850	
3	4	63	-	-	7.5	-	-	-	-	-	134	200	1570	5	*25	2350	.0	4000	
3	11	63	-	-	7.9	-	-	-	-	-	140	210	1560	0	*25	2200	.0	4000	
3	18	63	-	-	7.4	-	-	-	-	-	144	210	1610	0	110	2200	.0	4140	-
3	25	63	-	-	7.5	-	-	-	-	-	152	200	1640	0	110	2400	.0	4170	
4	2	63	-	-	7.5	-	-	-	-	-	155	196	1700	0	97	2400	.0	4100	-
4	8	63	-	-	8.0	-	-	-	-	-	90	188	1400	5	400	1840	.0	3300	-
4	15	63	-	-	7.2	-	-	-	-	-	140	212	1650	5	35	2300	.0	3900	-
4	22	63	-	-	7.4	-	-	-	-	-	175	200	1650	5	*25	2300	.0	4100	-
4	29	63	-	-	-	-	-	-	-	-	165	192	1850	0	*25	2500	.0	4200	-
5	6	63	-	-	-	-	-	-	-	-	190	140	1950	5	*25	2400	.0	4000	-
5	13	63	-	-	-	-	-	-	-	-	165	180	1750	0	*25	2400	.0	4100	-
5	20	63	-	-	-	-	-	-	-	-	180	168	1600	5	*25	2350	.0	4200	-
5	27	63	-	-	-	-	-	-	-	-	135	160	1800	5	*25	2350	.0	4100	-
6	3	63	-	-	-	-	-	-	-	-	150	188	1600	5	*25	2200	.0	3900	-
6	10	63	-	-	-	-	-	-	-	-	155	162	1800	0	*25	2500	.0	4200	-
6	17	63	-	-	-	-	-	-	-	-	75	160	850	25	3000	840	.0	1560	-
6	24	63	-	-	-	-	-	-	-	-	100	132	1200	15	1400	1460	.0	2800	-

NATIONAL WATER QUALITY NETWORK

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE KANSAS
MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIVER
MINOR BASIN ARK. RIVER, KANS-COLO LINE TO TULSA
STATION LOCATION ARKANSAS RIVER AT
COOLIDGE, KANSAS 2

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
7	1	63	-	-	-	-	-	-	-	-	170	178	1800	5	*25	2400	.0	4100	-
7	8	63	-	-	-	-	-	-	-	-	195	166	1700	5	*25	2350	.0	4100	-
7	15	63	-	-	-	-	-	-	-	-	185	160	1650	5	*25	2800	.0	4200	-
7	22	63	-	-	-	-	-	-	-	-	210	158	1900	0	*25	2600	.0	4400	-
7	29	63	-	-	-	-	-	-	-	-	35	132	600	15	5000	340	.0	730	-
8	5	63	-	-	-	-	-	-	-	-	180	162	1650	5	*25	2400	.0	4100	-
8	13	63	-	-	-	-	-	-	-	-	190	180	1700	5	*25	2400	.0	4000	-
8	21	63	-	-	-	-	-	-	-	-	135	202	1350	5	3000	2000	.0	3270	-
8	27	63	-	-	-	-	-	-	-	-	180	146	1700	0	*25	2400	.0	3740	-
9	3	63	-	-	-	-	-	-	-	-	95	160	1250	8	2000	1600	.0	2600	-
9	9	63	-	-	-	-	-	-	-	-	160	200	1900	5	1000	2500	.0	4300	-
9	16	63	-	-	-	-	-	-	-	-	145	210	1450	10	1500	2000	.0	3400	-

NATIONAL WATER QUALITY NETWORK

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE KANSAS

MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIVER

MINOR BASIN ARK. RIVER, KANS-COLO LINE TO TULSA

STATION LOCATION ARKANSAS RIVER AT

COOLIDGE, KANSAS 2

DATE OF SAMPLE*			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	1	63	-	-	-	-	-	-	-	-	125	184	1440	5	1000	1800	.0	3000	-
10	7	63	-	-	-	-	-	-	-	-	140	156	1550	0	*25	2200	.0	3700	-
10	14	63	-	-	-	-	-	-	-	-	160	184	1650	0	*25	2400	.0	3900	-
10	21	63	-	-	-	-	-	-	-	-	170	196	1450	0	*25	2400	.0	4000	-
10	28	63	-	-	-	-	-	-	-	-	110	196	1900	0	*25	2600	.0	4000	-
11	4	63	-	-	-	-	-	-	-	-	170	210	1700	0	*25	2600	.0	4000	-
11	12	63	-	-	-	-	-	-	-	-	210	176	1750	-	*25	2500	.0	4100	-
11	19	63	3.0	-	8.2	-	-	-	-	-	180	210	1450	-	105	2500	.0	4000	-
11	26	63	9.0	-	8.1	-	-	-	-	-	240	250	1800	-	160	2600	.0	4000	-
12	2	63	1.0	14.2	8.1	3.2	-	-	-	-	170	220	1600	0	100	2600	.0	4000	-
12	9	63	1.1	7.9	-	.2	-	-	-	-	180	220	1700	5	*25	2700	.0	4200	-
12	16	63	.0	10.4	-	1.2	-	-	-	-	180	230	1500	5	*25	2500	.0	3900	-
12	23	63	-	-	-	-	-	-	-	-	190	240	1700	0	*25	2800	.0	4400	
12	30	63	-	-	-	-	-	-	-	-	160	240	1600	5	76	2400	.0	4000	
1	6	64	.0	11.1	-	2.9	-	-	-	-	160	240	1700	0	78	2400	.0	4100	
1	13	64	.0	9.9	7.8	2.5	-	-	-	-	195	270	2100	5	*25	2800	.0	4700	
1	20	64	2.0	11.1	-	2.4	-	-	-	-	155	220	1800	10	94	2200	.0	4000	
1	27	64	1.6	11.7	-	.4	-	-	-	-	150	220	1700	5	140	2200	.0	4000	
2	3	64	1.0	11.9	-	2.0	-	-	-	-	160	220	1650	0	95	2400	.0	4100	
2	10	64	1.6	11.2	-	2.4	-	-	-	-	165	230	1600	0	200	2500	.0	4100	
2	17	64	5.5	11.7	-	2.1	-	-	-	-	148	200	1650	0	200	2300	.0	4000	
2	24	64	.0	10.1	-	6.-	*	-	-	-	150	220	1600	5	*25	2300	-	4100	
3	2	64	7.0	8.9	-	1.1	-	-	-	-	160	188	1600	5	*25	2200	.0	4100	

NATIONAL WATER QUALITY NETWORK

PLANKTON POPULATION

STATE KANSAS
MAJOR BASIN SOUTHWEST LOWER MISSISSIPPI RIVER
MINOR BASIN ARK. RIVER, KANS-COLO LINE TO TULSA
STATION LOCATION ARKANSAS RIVER AT
COOLIDGE, KANSAS 2

DATE OF SAMPLE			ALGAE (Number per milliliter)									INERT DIATOM SHELLS		MOST ABUNDANT ALGAE - Genera and Count Level per ml. (See text for Codes)																			
			TOTAL	BLUE-GREEN		GREEN		FLAGELLATED (Pigmented)		DIATOMS				1ST		2ND		3RD		4TH		5TH		6TH		7TH		8TH		9TH		10TH	
MONTH	DAY	YEAR		COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL
10	1	62	1000	0	10	10	10	10	0	70	860	0	500	74	1																		
10	14	62	2300	0	0	0	0	0	0	70	2250	20	990	88	2	74	2	87	1	73	1	89	1	92	1	75	1						
11	5	62	2400	0	0	0	0	40	0	40	2280	0	250	88	2	91	2	89	1	92	1												
11	19	62	3000	70	50	90	0	20	0	250	2570	70	3110	91	3	88	2	74	1	87	1	92	1	89	1	68	1						
12	3	62	10000	0	0	0	0	60	0	80	9810	0	500	92	5	91	5	88	3	78	3	87	2	89	2								
12	10	62	5300	0	0	40	0	0	0	0	5260	0	540	91	4	92	4	88	2	89	1	87	1	78	1								
1	2	63	900	0	20	70	0	0	130	0	640	40	1080	92	2																		
1	21	63	300	0	0	0	0	20	0	20	290	20	510																				
2	4	63	600	0	0	0	0	90	0	20	440	20	1690																				
2	19	63	500	0	0	0	0	60	110	0	380	40	1640	81	1																		
3	4	63	500	0	0	0	0	0	40	0	440	0	660																				
3	18	63	1300	0	0	0	0	40	40	0	1210	0	1540	92	2	91	1	88	1	78	1												
4	2	63	1000	0	0	0	0	40	0	0	990	0	460	92	1	88	1																
4	15	63	300	0	0	0	0	20	0	0	240	0	550																				
5	6	63	700	0	0	0	0	0	0	200	530	40	130	88	2																		
5	20	63	700	0	0	0	0	0	0	40	620	0	70	92	2																		
6	3	63	3500	40	0	70	0	20	0	90	3230	0	920	88	4	92	2	90	1														
6	17	63	-	-	-	-	-	-	-	-	-	-	-																				
7	1	63	2600	0	0	40	0	0	0	150	2420	20	680																				
7	15	63	1300	40	0	40	0	0	0	150	1120	60	370																				
8	5	63	2100	0	0	80	0	40	0	230	1740	20	290	88	4	68	1																
8	21	63	-	-	-	-	-	-	-	-	-	-	-																				
9	3	63	-	-	-	-	-	-	-	-	-	-	-																				
9	16	63	-	-	-	-	-	-	-	-	-	-	-																				

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NATIONAL WATER QUALITY NETWORK

PLANKTON POPULATION

STATE KANSAS
MAJOR BASIN SOUTHWEST LOWER MISSISSIPPI RIVER
MINOR BASIN ARK. RIVER, KANS-COLO LINE TO TULSA
STATION LOCATION ARKANSAS RIVER AT
COOLIDGE, KANSAS 2

DATE OF SAMPLE			ALGAE (Number per milliliter)									INERT DIATOM SHELLS		MOST ABUNDANT ALGAE - Genera and Count Level per ml. (See text for Codes)																			
			TOTAL	BLUE-GREEN		GREEN		FLAGELLATED (Pigmented)		DIATOMS				1ST		2ND		3RD		4TH		5TH		6TH		7TH		8TH		9TH		10TH	
MONTH	DAY	YEAR		COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL
10	1	63	-	-	-	-	-	-	-	-	-	-	-																				
10	21	63	9100	0	0	70	0	50	0	250	8750	70	2610	88	6	74	4																
11	4	63	1700	0	20	140	0	70	0	0	1470	0	500	74	3	88	2	87	1														
11	22	63	10200	0	0	1000	0	50	0	4900	4200	180	720	69	4	88	4	71	4	68	3	87	3	25	3	74	2	89	2	73	2		
12	2	63	1100	0	0	560	0	20	0	0	410	20	20	25	2																		
12	16	63	500	0	0	20	0	0	0	0	490	0	20																				
1	6	64	1400	0	0	230	0	90	0	50	1080	50	600	25	1																		
1	20	64	1300	0	0	50	0	20	0	20	1150	20	540	87	2	88	1	91	1														
2	3	64	800	0	0	50	0	90	0	20	650	20	630																				
2	17	64	900	0	0	0	0	50	20	90	700	110	1620																				
3	16	64	2800	0	0	0	0	0	0	2350	410	190	20																				

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NATIONAL WATER QUALITY NETWORK

PLANKTON POPULATION

STATE KANSAS
MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIVER
MINOR BASIN ARK. RIVER, KANS-COLO LINE TO TULSA
STATION LOCATION ARKANSAS RIVER AT
COOLIDGE, KANSAS 02

DATE OF SAMPLE			DOMINANT SPECIES OF DIATOMS AND PERCENT OF TOTAL DIATOMS (See text for Codes)									FUNGI AND SHEATHED BACTERIA Number per ml.	MICROINVERTEBRATES																				
			1ST		2ND		3RD		4TH				PROTOZOA (Identifiable) Number per ml.	ROTIFERS											CRUSTACEA							NEMATODES (Identifiable) Number per liter	OTHER ANIMAL FORMS (Number per liter)
														NUM-BER PER LITER	GENERA AND COUNT LEVEL (See text for Codes)										NUM-BER PER LITER	GENERA AND COUNT LEVEL (See text for Codes)							
															1ST		2ND		3RD		4TH		5TH			1ST		2ND		3RD			
MONTH	DAY	YEAR	SPECIES	PERCENT	SPECIES	PERCENT	SPECIES	PERCENT	SPECIES	PERCENT	OTHER SPECIES PERCENT				GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL		GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL		
10	1	62	5	16	75	12	92	11	67	7	54	10	0	32	13	3									4	52	1					0	0
10	14	62	4	11	2	10	71	9	73	9	61	0	0	0											0							0	0
11	5	62	67	21	69	16	75	12	92	8	43	-	-	0											0							0	0
11	19	62	87	28	5	10	71	9	92	8	45	-	-	-											-							-	-
12	3	62	92	38	87	29	12	6	75	4	23	-	-	0											0							0	0
12	10	62	87	37	92	29	75	6	12	3	25	-	-	-											-							-	-
1	2	63	92	50	71	11	38	8	2	3	28	-	-	0											0							0	0
1	21	63	92	15	56	10	2	9	26	5	61	-	-	0											0							0	0
2	4	63	92	29	34	19	71	4	5	4	44	-	-	0											0							0	0
2	19	63	51	23	31	20	92	14	2	10	33	-	-	0											0							0	0
3	4	63	92	31	12	18	13	13	87	9	29	-	-	0											0							0	0
3	18	63	92	32	87	12	12	9	71	8	39	-	-	0											0							0	0
4	2	63	92	23	71	11	72	9	86	6	51	-	-	-											-							-	-
4	15	63	92	33	12	15	71	10	87	5	37	-	-	0											0							0	0
5	6	63	67	66	70	8	2	6	62	5	15	-	-	1											0							0	0
5	20	63	92	80	34	3	2	3	4	3	11	-	-	0											0							0	1
6	3	63	71	43	92	19	75	7	97	3	28	-	-	0											0							0	0
6	17	63										-	-	-											-							-	-
7	1	63										-	-	-											-							-	-
7	15	63										-	-	-											-							-	-
8	5	63	67	56	26	17	70	5	70	5	17	-	-	8	22	1									0							0	0
8	21	63										-	-	-											-							-	-
9	3	63										-	-	-											-							-	-
9	16	63										-	-	-											-							-	-

NATIONAL WATER QUALITY NETWORK

PLANKTON POPULATION

STATE KANSAS
MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIVER
MINOR BASIN ARK. RIVER, KANS-COLO LINE TO TULSA
STATION LOCATION ARKANSAS RIVER AT
COOLIDGE, KANSAS 002

DATE OF SAMPLE			DOMINANT SPECIES OF DIATOMS AND PERCENT OF TOTAL DIATOMS *(See text for Codes)*									FUNGI AND SHEATHED BACTERIA *Number per ml.*	MICROINVERTEBRATES																			
			1ST		2ND		3RD		4TH		OTHER SPECIES PERCENT		PROTOZOA *(Identifiable)* *Number per ml.*	ROTIFERS											CRUSTACEA							NEMATODES *(Identifiable)* *Number per liter*	OTHER ANIMAL FORMS *(Number per liter)*
														NUMBER PER LITER	GENERA AND COUNT LEVEL *(See text for Codes)* 1ST		2ND		3RD		4TH		5TH		NUMBER PER LITER	GENERA AND COUNT LEVEL *(See text for Codes)* 1ST		2ND		3RD			
MONTH	DAY	YEAR	SPECIES	PERCENT	SPECIES	PERCENT	SPECIES	PERCENT	SPECIES	PERCENT					GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL		GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL		
10	1	63										-	0	-											-							-	-
10	21	63	67	74	4	17					9	-	0	1											0							0	0
11	4	63	4	25	67	17	71	7	92	5	46	-	0	0											0							0	0
11	22	63	67	28	75	11	4	9	65	9	43	-	0	0											0							0	0
12	2	63										-	0	-											-							-	-
12	16	63										-	0	-											-							-	-
1	6	64										-	0	-											0							0	0
1	20	64	71	14	65	12	37	11	66	8	55	-	0	-											-							-	-
2	3	64										-	0	-											-							-	-
2	17	64										-	-	-											-							-	-
3	16	64										-	0	-											-							-	-

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NATIONAL WATER QUALITY NETWORK

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE KANSAS

MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIVER

MINOR BASIN ARK. RIVER, KANS-COLO LINE TO TULSA

STATION LOCATION ARKANSAS RIVER AT
COOLIDGE, KANSAS

2

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES										
BEGINNING			END								NEUTRALS								
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	14	62	10	22	5241	193	21	172	0	8	4	0	1	3	0	2	2	0	5
11	5	62	11	12	4590	273	39	234	2	13	7	0	1	6	0	4	4	1	8
12	10	62	12	17	4622	258	21	237	1	7	6	0	0	6	0	2	1	0	4
1	7	63	2	1	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	11	63	2	19	5351	169	17	152	1	5	5	0	0	5	0	2	1	0	3
3	4	63	3	25	3144	377	49	328	-	-	-	-	-	-	-	-	-	-	-
4	2	63	4	22	3830	260	28	232	1	8	8	1	1	6	0	3	2	1	5
5	6	63	5	16	1683#	374	53	321	-	-	-	-	-	-	-	-	-	-	-
6	3	63	7	1	2225#	382	115	267	24	27	19	1	1	17	0	11	12	1	21
7	1	63	7	15	5626#	184	48	136	-	-	-	-	-	-	-	-	-	-	-
7	17	63	7	29	1930	334	95	239	7	34	17	1	1	14	1	9	5	2	21
8	13	63	8	21	270*	-	-	-	-	-	-	-	-	-	-	-	-	-	-

* FLOW UNKNOWN
# ESTIMATED
* LOW FLOW

NATIONAL WATER QUALITY NETWORK

RADIOACTIVITY DETERMINATIONS

STATE KANSAS

MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIVER

MINOR BASIN ARK. RIVER, KANS-COLO LINE TO TULSA

STATION LOCATION ARKANSAS RIVER AT

COOLIDGE, KANSAS 2

DATE SAMPLE TAKEN			DATE OF DETERMINATION		RADIOACTIVITY IN WATER												RADIOACTIVITY IN PLANKTON					
					ALPHA						BETA						DATE OF DETERMINATION		GROSS ACTIVITY			
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL				ALPHA		BETA	
MO.	DAY	YR.	MO.	DAY	pc/l	±	pc/l	±	pc/l	±	pc/l	±	pc/l	±	pc/l	±	MO.	DAY	pc/g	±	pc/g	±
10	1	62	10	22	0	5	14	26	14	26	0	26	82	45	82	52						
10	8	62	11	1	-	-	-	-	-	-	6	55	26	88	32	104						
10	14	62	11	16	-	-	-	-	-	-	7	6	319	136	326	136						
10	22	62	12	22	-	-	-	-	-	-	4	5	24	75	28	75						
10	29	62	11	17	-	-	-	-	-	-	11	6	26	90	37	90						
11	5	62	12	22	0	4	16	19	16	19	0	59	46	75	46	90						
11	12	62	11	30	-	-	-	-	-	-	60	58	10	83	70	101						
11	19	62	12	6	-	-	-	-	-	-	170	110	288	140	458	180						
11	26	62	12	18	2	5	39	24	41	25	42	62	142	95	184	113						
12	3	62	12	31	4	5	29	22	33	23	37	35	69	54	106	64						
12	10	62	1	3	-	-	-	-	-	-	30	66	51	97	81	117						
12	17	62	1	9	4	5	47	23	51	24	27	64	127	99	154	118						
12	24	62	1	9	-	-	-	-	-	-	57	69	141	99	198	121						
1	2	63	1	30	2	5	53	26	55	26	35	62	149	101	184	119						
1	7	63	1	18	8	8	58	29	66	30	5	63	148	95	153	114						
1	14	63	1	24	5	10	48	28	53	30	0	315	197	162	197	354						
1	21	63	2	8	0	5	72	34	72	34	0	49	117	86	117	99						
1	28	63	2	14	0	5	35	29	35	29	20	59	128	97	148	114						
2	4	63	2	18	4	6	22	21	26	22	29	31	69	45	98	55						
2	11	63	2	25	0	3	26	23	26	23	31	37	48	54	79	65						
2	19	63	3	7	3	6	32	24	35	25	37	62	37	88	74	108						
2	25	63	3	7	8	5	18	14	26	15	16	62	101	89	117	108						
3	4	62	3	20	4	5	28	21	32	22	35	58	59	87	94	105						
3	11	63	3	25	5	6	58	28	63	29	48	34	145	53	193	63						
3	18	63	4	1	2	2	40	26	42	26	23	8	75	45	98	46						
3	25	63	4	8	4	5	61	26	65	26	47	32	109	45	156	55						
4	2	63	4	18	1	1	29	20	30	20	29	13	113	143	142	144						
4	8	63	4	25	0	4	49	22	49	22	96	68	111	80	209	105						
4	15	63	4	29	1	6	13	21	14	22	2	28	87	46	89	54						
4	22	63	5	6	1	1	3	17	4	17	9	6	191	43	200	43						
4	29	63	5	15	0	3	39	20	39	20	32	55	66	83	98	100						
5	6	63	5	17	0	1	46	23	46	23	7	10	16	80	23	81						
5	13	63	5	27	0	1	15	19	15	19	2	6	84	46	86	46						
5	20	63	6	5	0	1	28	27	28	27	13	6	153	93	166	93						
5	27	63	6	12	1	1	12	20	13	20	22	14	140	96	162	97						
6	3	63	6	13	0	1	44	27	44	27	45	14	142	93	187	94						
6	10	63	6	25	2	5	34	22	36	23	0	228	90	86	90	244						
6	17	63	7	3	191	14	0	5	191	15	2933	153	189	55	3122	163						
6	24	63	7	10	40	25	15	17	55	30	604	103	183	83	787	132						

NATIONAL WATER QUALITY NETWORK

RADIOACTIVITY DETERMINATIONS

STATE KANSAS
MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIV5R
MINOR BASIN ARK. RIVER, KANS-COLO LINE TO TULSA
STATION LOCATION ARKANSAS RIVER AT
COOLIDGE, KANSAS 2

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER														RADIOACTIVITY IN PLANKTON					
			DATE OF DETERMINATION		ALPHA						BETA						DATE OF DETERMINATION		GROSS ACTIVITY			
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL				ALPHA		BETA	
MO.	DAY	YR.	MO.	DAY	pc/l	±	pc/l	±	pc/l	±	pc/l	±	pc/l	±	pc/l	±	MO.	DAY	pc/g	±	pc/g	±
7	1	63	7	15	1	1	23	21	24	21	7	3	62	45	69	45						
7	8	63	7	24	0	0	34	24	34	24	4	5	134	145	138	145						
7	15	63	8	6	0	0	22	21	22	21	5	6	36	145	41	145						
7	22	63	8	7	0	1	11	22	11	22	8	7	161	96	169	96						
7	29	63	8	14	516	290	6	5	522	290	6397	738	123	20	6520	738						
8	5	63	8	21	0	1	46	29	46	29	0	29	110	96	110	100						
8	13	63	8	27	0	0	20	21	20	21	5	6	86	88	91	88						
8	21	63	9	6	90	45	24	19	114	49	771	129	94	85	865	154						
8	27	63	9	17	0	1	24	22	24	22	0	25	16	88	16	91						
9	3	63	9	17	27	26	17	16	44	31	421	108	29	81	450	135						
9	9	63	10	2	12	7	35	22	47	23	104	31	37	88	141	93						
9	16	63	10	2	32	26	11	19	43	32	291	152	64	84	355	174						

NATIONAL WATER QUALITY NETWORK

RADIOACTIVITY DETERMINATIONS

STATE KANSAS
MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIVER
MINOR BASIN ARK. RIVER, KANS-COLO LINE TO TULSA
STATION LOCATION ARKANSAS RIVER AT
COOLIDGE, KANSAS 2

DATE SAMPLE TAKEN			DATE OF DETERMINATION		RADIOACTIVITY IN WATER													RADIOACTIVITY IN PLANKTON					
					ALPHA						BETA							DATE OF DETERMINATION		GROSS ACTIVITY			
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL					ALPHA		BETA	
MO.	DAY	YR.	MO.	DAY	pc/l	±	pc/l	±	pc/l	±	pc/l	±	pc/l	±	pc/l	±		MO.	DAY	pc/g	±	pc/g	±
10	7	63	10	23	0	1	24	24	24	24	3	6	0	61	3	61							
10	14	63	10	31	0	0	34	28	34	28	3	6	24	92	27	92							
10	21	63	11	14	0	0	34	27	34	27	6	6	62	97	68	97							
10	28	63	11	21	0	1	31	29	31	29	1	6	7	93	8	93							
11	4	63	11	22	0	0	31	23	31	23	3	5	56	90	59	90							
11	12	63	12	5	0	1	27	26	27	26	0	5	0	54	0	54							
11	22	63	12	24	0	1	11	27	11	27	19	8	32	87	51	87							
11	26	63	12	20	2	1	32	22	34	22	20	8	74	89	94	89							
12	2	63	12	26	3	1	78	22	81	22	20	2	82	18	102	18							
12	9	63	1	13	1	1	53	38	54	38	5	1	42	17	47	17							
12	16	63	1	13	0	1	11	17	11	17	8	1	22	9	30	9							
12	23	63	1	14	1	1	36	30	37	30	5	2	12	26	17	26							
12	30	63	1	13	1	1	75	51	76	51	9	1	67	19	76	19							
1	6	64	1	23	1	1	37	19	38	19	11	3	86	36	97	36							
1	13	64	2	4	1	1	47	41	48	41	4	2	111	36	115	36							
1	20	64	2	4	0	1	25	30	25	30	8	3	34	26	42	26							
1	27	64	2	13	6	4	42	36	48	36	31	7	61	31	92	32							
2	3	64	2	18	2	2	36	33	38	33	20	6	73	31	93	32							
2	10	64	2	28	1	3	47	34	48	34	25	6	36	28	61	29							
2	17	64	3	10	3	3	40	35	43	35	32	5	86	30	118	30							
2	24	64	3	13	1	1	35	17	36	17	17	5	47	31	64	31							
3	2	64	3	13	1	1	34	17	35	17	20	6	30	30	50	31							

NATIONAL WATER QUALITY NETWORK

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE MISSOURI

MAJOR BASIN UPPER MISSISSIPPI RIVER

MINOR BASIN MISSISSIPPI-CAPE GIRARDEAU AREA

STATION LOCATION MISSISSIPPI RIVER AT
CAPE GIRARDEAU, MISSOURI 23

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	1	62	20.0	-	7.8	-	-	-	-	-	19	158	180	-	220	-	-	-	-
10	8	62	20.0	-	7.7	-	-	-	-	-	16	132	174	-	300	-	-	-	-
10	15	62	21.5	-	7.7	-	-	-	-	-	17	126	176	-	260	-	-	-	-
10	22	62	20.0	-	7.7	-	-	-	-	-	14	120	176	-	220	-	-	-	-
10	29	62	15.0	-	7.8	-	-	-	-	-	20	134	202	-	220	-	-	-	-
11	5	62	11.5	-	7.7	-	-	-	-	-	20	130	208	-	180	-	-	-	-
11	13	62	10.0	-	7.7	-	-	-	-	-	19	156	222	-	120	-	-	-	-
11	19	62	10.0	-	7.7	-	-	-	-	-	20	166	220	-	120	-	-	-	-
11	26	62	9.0	-	7.7	-	-	-	-	-	21	174	220	-	140	-	-	-	-
12	3	62	8.0	-	7.7	-	-	-	-	-	21	188	222	-	140	-	-	-	-
12	10	62	6.5	-	7.7	-	-	-	-	-	23	200	224	-	140	-	-	-	-
12	17	62	2.5	-	7.7	-	-	-	-	-	26	220	250	-	140	-	-	-	-
12	24	62	4.0	-	7.7	-	-	-	-	-	24	200	238	-	140	-	-	-	-
12	31	62	4.0	-	7.8	-	-	-	-	-	29	194	250	-	180	-	-	-	-
1	7	63	3.0	-	7.6	-	-	-	-	-	27	194	236	-	140	-	-	-	-
1	14	63	2.5	-	7.9	-	-	-	-	-	28	202	246	-	120	-	-	-	-
1	21	63	3.0	-	7.9	-	-	-	-	-	25	200	236	-	120	-	-	-	-
1	28	63	1.5	-	7.7	-	-	-	-	-	23	184	250	-	80	-	-	-	-
2	4	63	2.0	-	7.5	-	-	-	-	-	26	184	264	-	80	-	-	-	-
2	11	63	3.0	-	7.5	-	-	-	-	-	30	201	256	-	120	-	-	-	-
2	18	63	3.0	-	7.5	-	-	-	-	-	29	168	240	-	120	-	-	-	-
2	25	63	2.0	-	7.5	-	-	-	-	-	28	180	214	-	120	-	-	-	-
3	4	63	5.0	-	7.5	-	-	-	-	-	29	184	230	-	120	-	-	-	-
3	11	63	5.0	-	7.5	-	-	-	-	-	17	110	144	-	1060	-	-	-	-
3	18	63	8.0	-	7.5	-	-	-	-	-	18	114	148	-	720	-	-	-	-
3	25	63	8.0	-	7.5	-	-	-	-	-	10	114	150	-	540	-	-	-	-
4	1	63	11.0	-	7.5	-	-	-	-	-	16	120	150	-	420	-	-	-	-
4	8	63	14.0	-	7.6	-	-	-	-	-	15	126	156	-	500	-	-	-	-
4	15	63	15.0	-	7.5	-	-	-	-	-	17	130	170	-	180	-	-	-	-
4	22	63	18.5	-	8.0	-	-	-	-	-	17	138	186	-	180	-	-	-	-
4	29	63	18.5	-	7.9	-	-	-	-	-	17	130	180	-	180	-	-	-	-
5	6	63	17.0	-	7.7	-	-	-	-	-	18	132	182	-	420	-	-	-	-
5	13	63	23.0	-	7.5	-	-	-	-	-	18	132	180	-	380	-	-	-	-
5	20	63	21.0	-	7.5	-	-	-	-	-	10	124	172	-	580	-	-	-	-
5	27	63	21.0	-	7.5	-	-	-	-	-	14	120	160	-	720	-	-	-	-
6	3	63	22.0	-	7.5	-	-	-	-	-	12	112	152	-	420	-	-	-	-
6	10	63	-	-	7.7	-	-	-	-	-	16	130	154	-	220	-	-	-	-
6	17	63	25.5	-	7.7	-	-	-	-	-	15	120	140	-	1380	-	-	-	-
6	24	63	26.0	-	7.7	-	-	-	-	-	20	116	184	-	380	-	-	-	-

NATIONAL WATER QUALITY NETWORK

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE MISSOURI
MAJOR BASIN UPPER MISSISSIPPI RIVER
MINOR BASIN MISSISSIPPI-CAPE GIRARDEAU AREA
STATION LOCATION MISSISSIPPI RIVER AT
CAPE GIRARDEAU, MISSOURI 23

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
7	1	63	28.5	-	7.7	-	-	-	-	-	18	138	182	-	180	-	-	-	-
7	8	63	29.0	-	7.7	-	-	-	-	-	17	120	170	-	1060	-	-	-	-
7	15	63	27.0	-	7.7	-	-	-	-	-	18	126	190	-	340	-	-	-	-
7	22	63	28.0	-	7.7	-	-	-	-	-	20	126	176	-	500	-	-	-	-
7	29	63	28.0	-	7.7	-	-	-	-	-	20	130	196	-	220	-	-	-	-
8	5	63	30.0	-	7.7	-	-	-	-	-	21	126	192	-	180	-	-	-	-
8	12	63	29.5	-	7.7	-	-	-	-	-	20	138	198	-	300	-	-	-	-
8	19	63	29.0	-	7.7	-	-	-	-	-	20	124	200	-	420	-	-	-	-
8	26	63	25.0	-	7.7	-	-	-	-	-	18	104	180	-	340	-	-	-	-
9	3	63	26.0	-	7.9	-	-	-	-	-	26	158	210	-	180	-	-	-	-
9	9	63	25.5	-	7.7	-	-	-	-	-	24	164	202	-	140	-	-	-	-
9	16	63	24.0	-	7.7	-	-	-	-	-	27	116	202	-	180	-	-	-	-
9	23	63	24.0	-	7.6	-	-	-	-	-	22	128	170	-	260	-	-	-	-
9	30	63	21.0	-	7.7	-	-	-	-	-	21	156	206	-	180	-	-	-	-

NATIONAL WATER QUALITY NETWORK

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE MISSOURI

MAJOR BASIN UPPER MISSISSIPPI RIVER

MINOR BASIN MISSISSIPPI-CAPE GIRARDEAU AREA

STATION LOCATION MISSISSIPPI RIVER AT
CAPE GIRARDEAU, MISSOURI 23

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	7	63	21.0	-	7.7	-	-	-	-	-	24	160	204	-	140	-	-	-	-
10	14	63	20.0	-	7.7	-	21	-	-	-	21	160	220	-	260	-	-	-	-
10	21	63	21.0	-	7.7	-	-	-	-	-	24	154	212	-	180	-	-	-	-
10	28	63	20.0	-	7.7	-	-	-	-	-	24	156	218	-	140	-	-	-	-
11	2	63	9.0	-	7.7	-	-	-	-	-	22	156	230	15	*25	132	.0	370	-
11	4	63	15.0	-	7.7	-	-	-	-	-	23	156	204	-	180	-	-	-	-
11	11	63	14.0	-	7.7	-	-	-	-	-	21	144	222	-	140	-	-	-	-
11	18	63	12.0	-	7.9	-	-	-	-	-	14	158	220	-	140	-	-	-	-
11	25	63	10.5	-	7.7	-	-	-	-	-	22	148	180	10	*25	130	.0	370	-
12	2	63	9.0	-	7.7	-	-	-	-	-	22	156	230	15	*25	132	.0	370	-
12	16	63	3.0	-	7.7	-	-	-	-	-	26	170	220	5	*25	108	.1	390	-
12	23	63	4.0	-	7.5	-	-	-	-	-	27	190	240	5	*25	92	.0	400	-
12	30	63	2.5	-	7.7	-	-	-	-	-	24	190	230	0	32	90	.1	350	-
1	6	64	3.0	-	7.7	-	-	-	-	-	25	220	260	5	*25	105	.1	380	-
1	13	64	2.0	-	7.7	-	-	-	-	-	29	178	194	5	*25	114	.1	400	-
1	20	64	3.5	-	7.7	-	-	-	-	-	27	174	188	10	*25	100	.1	380	-
1	27	64	5.0	-	7.7	-	-	-	-	-	28	172	230	5	*25	105	.0	410	-

NATIONAL WATER QUALITY NETWORK

PLANKTON POPULATION

STATE MISSOURI
MAJOR BASIN UPPER MISSISSIPPI RIVER
MINOR BASIN MISSISSIPPI-CAPE GIRARDEAU AREA
STATION LOCATION MISSISSIPPI RIVER AT
CAPE GIRARDEAU, MISSOURI 23

DATE OF SAMPLE			ALGAE (Number per milliliter)									INERT DIATOM SHELLS		MOST ABUNDANT ALGAE - Genera and Count Level per ml. (See text for Codes)																			
			TOTAL	BLUE-GREEN		GREEN		FLAGELLATED (Pigmented)		DIATOMS				1ST		2ND		3RD		4TH		5TH		6TH		7TH		8TH		9TH		10TH	
MONTH	DAY	YEAR		COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL
10	1	62	5800	40	0	360	0	0	0	3380	2070	1390	1690	71	4	69	3	68	3	88	2	87	1	97	1	69	1	82	1	24	1	92	1
10	15	62	6000	0	40	680	124	210	20	3730	1160	1490	330	69	4	71	4	68	3	38	2	88	1	92	1	24	1	87	1	51	1		
11	5	62	3900	0	50	680	0	230	0	2180	740	2050	340	71	3	69	3	98	2	38	1	97	1	51	1								
11	21	62	4700	70	180	580	0	180	0	3150	540	6910	290	69	4	71	4	38	1	24	1												
12	3	62	55900	50	320	830	0	170	110	53780	630	64580	540	71	8	69	7	68	2	24	2	77	2	17	1	38	1						
12	17	62	6200	20	310	730	0	370	0	4140	640	6860	350	71	5	24	2	69	1	88	1	17	1	38	1	57	1						
1	7	63	7700	0	130	180	0	220	0	6800	330	380	220	71	5	77	1																
1	21	63	13000	0	180	180	0	0	0	12290	320	2480	230	71	7	77	1																
2	4	63	7600	0	0	70	0	180	0	7150	240	990	20	71	6	77	1																
2	18	63	1800	0	0	70	0	40	200	1230	220	460	70	71	4	77	1																
3	4	63	4200	20	180	90	0	180	180	3230	370	480	240	71	5	77	1	17	1	51	1	65	1										
3	18	63	1300	0	0	0	0	70	0	700	550	220	460	71	3	88	1	77	1														
4	1	63	1600	0	20	0	0	70	0	1210	290	570	420	71	3																		
4	15	63	9000	0	60	500	0	290	250	7350	500	2900	420	71	6	51	1	38	1	65	1	69	1	88	1								
5	6	63	3500	0	110	310	0	230	0	2510	370	2790	660	24	1																		
5	20	63	2800	0	20	420	0	110	0	1780	440	2240	790	38	1	24	1																
6	3	63	3200	0	60	590	0	40	0	1620	860	670	340	71	3	77	2	38	1	88	1	24	1	87	1								
6	17	63	200	0	0	0	0	0	0	180	70	220	420																				
7	1	63	1600	20	20	570	0	40	0	350	570	420	90	38	1	77	1																
7	15	63	900	0	0	80	0	0	0	750	60	600	210																				
8	5	63	5700	70	20	570	0	90	0	4400	590	2020	180	69	5	35	1																
8	19	63	–	–	–	–	–	–	–	–	–	–	–																				
9	2	63	1700	0	0	480	0	70	0	810	310	330	110	69	2	68	1	71	1														
9	11	63	1700	0	20	600	0	310	0	420	340	1380	580	38	2	68	1																

NATIONAL WATER QUALITY NETWORK

PLANKTON POPULATION

STATE MISSOURI

MAJOR BASIN UPPER MISSISSIPPI RIVER

MINOR BASIN MISSISSIPPI-CAPE GIRARDEAU AREA

STATION LOCATION MISSISSIPPI RIVER AT

CAPE GIRARDEAU, MISSOURI 23

DATE OF SAMPLE			ALGAE (Number per milliliter)									INERT DIATOM SHELLS		MOST ABUNDANT ALGAE - Genera and Count Level per ml. (See text for Codes)																			
			TOTAL	BLUE-GREEN		GREEN		FLAGELLATED (Pigmented)		DIATOMS				1ST		2ND		3RD		4TH		5TH		6TH		7TH		8TH		9TH		10TH	
MONTH	DAY	YEAR		COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL
10	7	63	2300	20	20	1000	0	250	0	740	270	880	560	38	2	71	2	68	1	51	1												
10	21	63	2400	0	0	590	0	470	0	1110	180	570	160	71	2	68	2	38	2	51	1												
11	4	63	2500	0	20	930	0	110	0	1190	200	1760	470	68	3	38	2	71	2														
11	19	63	21500	0	30	560	0	120	0	20390	370	1850	560	71	7	68	6	69	5	38	2	67	2										
12	2	63	3100	0	140	[illegible]	0	270	0	1900	340	1290	180	71	3	69	2	68	2	38	1	51	1										
12	16	63	4700	0	20	770	20	360	20	3320	160	610	110	71	5	68	2	38	1	51	1	25	1	69	1	24	1						
1	6	64	31900	50	140	1410	0	140	180	29570	410	1710	90	71	8	25	2	68	1	77	1	65	1	34	1	38	1						
1	20	64	3260	0	20	310	0	140	20	31720	410	4740	80	71	8	32	1																
2	17	64	44000	0	90	180	0	270	270	42750	410	1310	270	71	9	65	1	51	1	69	1												

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NATIONAL WATER QUALITY NETWORK

PLANKTON POPULATION

STATE MISSOURI
MAJOR BASIN UPPER MISSISSIPPI RIVER
MINOR BASIN MISSISSIPPI-CAPE GIRARDEAU AREA
STATION LOCATION MISSISSIPPI RIVER AT
CAPE GIRARDEAU, MISSOURI 023

DATE OF SAMPLE			DOMINANT SPECIES OF DIATOMS AND PERCENT OF TOTAL DIATOMS (See text for Codes)									FUNGI AND SHEATHED BACTERIA Number per ml.	PROTOZOA (Identifiable) Number per ml.	MICROINVERTEBRATES																			
			1ST		2ND		3RD		4TH					ROTIFERS	GENERA AND COUNT LEVEL (See text for Codes)										CRUSTACEA	GENERA AND COUNT LEVEL (See text for Codes)							
															1ST		2ND		3RD		4TH		5TH			1ST		2ND		3RD			
MONTH	DAY	YEAR	SPECIES	PERCENT	SPECIES	PERCENT	SPECIES	PERCENT	SPECIES	PERCENT	OTHER SPECIES PERCENT			NUMBER PER LITER	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	NUMBER PER LITER	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	NEMATODES (Identifiable) Number per liter	OTHER ANIMAL FORMS (Number per liter)
10	1	62	80	30	26	14	58	14	82	6	36	-	-	-											-							-	-
10	15	62	58	62	80	7	26	7	56	5	18	-	-	0											0							0	0
11	5	62	80	48	82	19	83	8	46	6	29	-	-	0											0							0	0
11	21	62	97	38	56	21	80	21	82	6	14	-	-	0											0							0	0
12	3	62	80	59	82	16	56	12	57	6	7	20	-	193	21	4	11	4	2	3	17	2			6	50	1	76	1			1	0
12	17	62	80	56	82	25	71	3	56	2	14	70	-	0											0							1	0
1	7	63	80	86	82	9	92	2	46	1	2	-	-	131	21	5	11	1							2							1	0
1	21	63	82	86	80	6	9	6	92	1	1	-	-	3											0							0	0
2	4	63	82	87	80	8	9	4	91	1		-	-	1											0							0	0
2	18	63	82	56	9	19	80	12	70	2	11	-	-	0											0							0	0
3	4	63	80	41	92	11	36	10	71	9	29	-	-	0											2							1	0
3	18	63	71	36	56	16	80	13	86	5	30	-	-	0											0							0	0
4	1	63	56	16	92	15	71	14	83	10	45	-	-	0											0							0	0
4	15	63	80	52	56	17	45	4	71	4	23	-	-	1											0							0	0
5	6	63										-	-	-											-							-	-
5	20	63										-	-	-											-							-	-
6	3	63	82	65	9	7	26	4	70	3	21	-	-	0											1							0	0
6	17	63										-	-	-											-							-	-
7	1	63										-	-	0											0							0	0
7	15	63										-	-	0											0							0	0
8	5	63										-	-	0											2							0	0
8	19	63										-	-	-											-							-	-
9	2	63	56	42	58	11	80	9	27	8	30	-	-	0											2							0	0
9	11	63	56	35	26	21	58	9	82	8	27	-	-	23	11	2	2	1							0							0	0

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NATIONAL WATER QUALITY NETWORK

PLANKTON POPULATION

STATE MISSOURI
MAJOR BASIN UPPER MISSISSIPPI RIVER
MINOR BASIN MISSISSIPPI-CAPE GIRARDEAU AREA
STATION LOCATION MISSISSIPPI RIVER AT
CAPE GIRARDEAU, MISSOURI 023

DATE OF SAMPLE			DOMINANT SPECIES OF DIATOMS AND PERCENT OF TOTAL DIATOMS (See text for Codes)									FUNGI AND SHEATHED BACTERIA Number per ml.	PROTOZOA (Identifiable) Number per ml.	MICROINVERTEBRATES																		
			1ST		2ND		3RD		4TH					ROTIFERS											CRUSTACEA						NEMATODES (Identifiable) Number per liter	OTHER ANIMAL FORMS (Number per liter)
														NUMBER PER LITER	GENERA AND COUNT LEVEL (See text for Codes)										NUMBER PER LITER	GENERA AND COUNT LEVEL (See text for Codes)							
															1ST		2ND		3RD		4TH		5TH			1ST		2ND		3RD			
MONTH	DAY	YEAR	SPECIES	PERCENT	SPECIES	PERCENT	SPECIES	PERCENT	SPECIES	PERCENT	OTHER SPECIES PERCENT				GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL		GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL		
10	7	63	80	27	82	16	26	14	58	10	33	-	0	0											0							0	0
10	21	63	80	29	27	23	62	18	26	7	23	-	0	81	11	4	2	3							2							0	0
11	4	63	27	49	82	25	23	8	56	4	14	-	0	-											-							-	-
11	19	63	82	48	27	13	26	10	23	6	23	-	0	-											-							-	-
12	2	63	82	40	27	11	58	11	56	11	27	-	0	11	11	1									1							0	0
12	16	63	82	75	26	8	27	5			12	-	0	-	51	1	2-								0							0	0
1	6	64	82	94	67	2					4	-	0	-	42	1	21	1	1-						0							0	0
1	20	64	82	96	80	2					2	-	0	-	2	1	24	6	1-						0							0	0
2	17	64	82	95							5	-	0	-											0							0	0

NATIONAL WATER QUALITY NETWORK

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE MISSOURI

MAJOR BASIN UPPER MISSISSIPPI RIVER

MINOR BASIN MISSISSIPPI-CAPE GIRARDEAU AREA

STATION LOCATION MISSISSIPPI RIVER AT
CAPE GIRARDEAU, MISSOURI 23

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES										
BEGINNING			END								NEUTRALS								
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	2	62	10	15	2655	312	138	174	1	31	37	2	4	31	0	24	12	3	30
11	5	62	11	19	3503	299	74	225	1	14	29	2	2	24	1	12	4	2	12
12	5	62	12	17	2355	480	136	344	3	27	60	2	4	54	0	22	8	3	13
1	7	63	1	21	4470	292	80	212	2	11	42	3	6	31	2	13	3	2	7
2	9	63	2	18	2565	443	128	315	3	18	63	6	6	40	11	15	6	3	20
6	3	63	6	17	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	1	63	7	15	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	5	63	8	19	4102	172	58	114	1	11	22	1	1	18	2	9	5	1	9
9	3	63	9	11	5810	124	49	75	2	11	16	1	1	13	1	8	5	1	6

* FLOW UNKNOWN

NATIONAL WATER QUALITY NETWORK

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE MISSOURI
MAJOR BASIN UPPER MISSISSIPPI RIVER
MINOR BASIN MISSISSIPPI-CAPE GIRARDEAU AREA
STATION LOCATION MISSISSIPPI RIVER AT
CAPE GIRARDEAU, MISSOURI 23

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES										
BEGINNING			END								NEUTRALS								
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	7	63	10	21	2210#	219	37	182	1	7	14	1	1	12	0	7	2	1	5
11	4	63	11	12	5330	115	41	74	1	7	16	2	2	12	0	5	4	1	7
12	2	63	12	16	5170	148	41	107	-	-	-	-	-	-	-	-	-	-	-
1	6	64	1	20	4990	231	79	152	-	-	-	-	-	-	-	-	-	-	-

ESTIMATED

NATIONAL WATER QUALITY NETWORK

RADIOACTIVITY DETERMINATIONS

STATE MISSOURI
MAJOR BASIN UPPER MISSISSIPPI RIVER
MINOR BASIN MISSISSIPPI-CAPE GIRARDEAU AREA
STATION LOCATION MISSISSIPPI RIVER AT
CAPE GIRARDEAU, MISSOURI 23

DATE SAMPLE TAKEN			DATE OF DETERMINATION		RADIOACTIVITY IN WATER												RADIOACTIVITY IN PLANKTON					
					ALPHA						BETA						DATE OF DETERMINATION		GROSS ACTIVITY			
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL				ALPHA		BETA	
MO.	DAY	YR.	MO.	DAY	pc/l	±	pc/l	±	pc/l	±	pc/l	±	pc/l	±	pc/l	±	MO.	DAY	pc/g	±	pc/g	±
10	1	62	10	30	4	4	3	2	7	4	63	31	34	14	97	34						
10	8	62	10	31	-	-	-	-	-	-	96	41	17	8	113	42						
10	15	62	11	14	-	-	-	-	-	-	56	30	24	8	80	31						
10	22	62	12	3	-	-	-	-	-	-	32	9	31	5	63	10						
10	29	62	11	23	-	-	-	-	-	-	40	12	4	10	44	16						
11	26	62	12	12*	1	1	2	2	3	2	20	13	48	15	68	20						
12	31	62	1	16*	0	1	2	2	2	2	21	15	24	16	45	22						
1	28	63	2	20*	1	1	4	3	5	3	0	14	31	17	31	22						
2	25	63	3	11*	1	1	1	2	2	2	7	10	23	12	30	16						
3	25	63	4	17*	10	8	0	1	10	8	150	45	35	9	185	46						
4	29	63	5	17*	2	3	2	2	4	3	47	16	61	10	108	19						
5	27	63	6	13*	6	8	4	3	10	9	233	75	65	16	298	77						
6	24	63	7	17*	4	6	2	2	6	6	55	68	39	10	94	69						
7	29	63	8	16*	19	8	4	2	23	8	83	23	36	15	119	27						
8	26	63	9	23*	3	4	1	2	4	4	29	16	36	7	65	17						
9	30	63	10	22*	1	2	3	3	4	4	14	9	44	11	58	14						

NATIONAL WATER QUALITY NETWORK

RADIOACTIVITY DETERMINATIONS

STATE MISSOURI

MAJOR BASIN UPPER MISSISSIPPI RIVER

MINOR BASIN MISSISSIPPI-CAPE GIRARDEAU AREA

STATION LOCATION MISSISSIPPI RIVER AT
CAPE GIRARDEAU, MISSOURI 23

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER															RADIOACTIVITY IN PLANKTON					
			DATE OF DETERMINATION		ALPHA						BETA						DATE OF DETERMINATION		GROSS ACTIVITY			
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL				ALPHA		BETA	
MO.	DAY	YR.	MO.	DAY	pc/l	±	pc/l	±	pc/l	±	pc/l	±	pc/l	±	pc/l	±	MO.	DAY	pc/g	±	pc/g	±
10	28	63	11	25*	2	2	2	2	4	3	17	9	32	11	49	14						
11	25	63	12	30*	2	2	2	2	4	3	21	3	29	4	50	5						
12	30	63	1	14*	0	1	3	3	3	3	4	2	26	4	30	4						
1	27	64	2	19*	1	1	2	2	3	2	11	5	16	5	27	7						
2	24	64	3	17*	0	1	1	3	1	3	11	3	19	6	30	7						

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NATIONAL WATER QUALITY NETWORK

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE	IOWA
MAJOR BASIN	UPPER MISSISSIPPI RIVER
MINOR BASIN	MISSISSIPPI-DES MOINES-SKUNK RIVERS
STATION LOCATION	MISSISSIPPI RIVER AT BURLINGTON, IOWA 25

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	15	63	-	-	-	-	33	-	-	-	-	-	-	-	-	-	-	-	-
11	25	63	-	-	-	-	23	-	-	-	12	162	180	-	*25	40	.2	240	-
12	2	63	-	-	-	-	-	-	-	-	11	160	178	15	*25	38	.0	250	-
12	9	63	-	-	-	-	26	-	-	-	10	158	174	20	*25	40	.0	270	-
12	16	63	-	-	-	-	-	-	-	-	20	144	162	5	*25	37	.1	240	-
12	23	63	-	-	-	-	-	-	-	-	11	170	188	15	*25	44	.0	280	-
1	6	64	-	-	-	-	-	-	-	-	12	176	200	5	*25	44	.0	290	-
1	13	64	-	-	-	-	-	-	-	-	12	174	196	20	*25	44	.0	290	-
1	20	64	-	-	-	-	-	-	-	-	11	178	200	10	*25	43	.0	260	-
1	27	64	-	-	-	-	-	-	-	-	12	172	198	20	*25	46	.1	250	-

PLANKTON POPULATION

STATE IOWA
MAJOR BASIN UPPER MISSISSIPPI RIVER
MINOR BASIN MISSISSIPPI-DES MOINES-SKUNK RIVERS
STATION LOCATION MISSISSIPPI RIVER AT
BURLINGTON, IOWA 25

DATE OF SAMPLE			ALGAE (Number per milliliter)									INERT DIATOM SHELLS		MOST ABUNDANT ALGAE - Genera and Count Level per ml. (See text for Codes)																			
			TOTAL	BLUE-GREEN		GREEN		FLAGELLATED (Pigmented)		DIATOMS				1ST		2ND		3RD		4TH		5TH		6TH		7TH		8TH		9TH		10TH	
MONTH	DAY	YEAR		COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL
10	7	63	8600	0	20	860	0	70	0	7130	450	3830	250	69	6	71	3	68	2	38	1	24	1										
10	21	63	4900	0	20	1090	0	200	20	3410	140	900	110	69	5	71	3	24	2	38	2	68	1										
11	4	63	13500	230	110	1580	0	70	0	10060	1420	1870	20	69	5	71	5	68	4	38	3	34	1										
11	18	63	12900	0	190	850	0	0	0	11430	430	2580	0	71	6	69	4	38	1	34	1	15	1										
12	2	63	28400	0	70	900	70	140	0	27180	50	3940	90	71	8	69	5	38	2	68	2	34	1										
12	16	63	22600	0	50	540	20	230	0	21580	230	1220	140	71	8	25	1																
1	6	64	1500	0	20	200	0	70	0	1140	70	270	0	71	3																		
2	3	64	16900	0	0	720	0	140	540	15230	320	1620	50	71	7	65	2	44	1	69	1	25	1										
2	17	64	89400	0	50	70	0	70	0	88910	290	1360	50	71	9	68	2																

NATIONAL WATER QUALITY NETWORK

PLANKTON POPULATION

STATE IOWA
MAJOR BASIN UPPER MISSISSIPPI RIVER
MINOR BASIN MISSISSIPPI-DES MOINES-SKUNK RIVERS
STATION LOCATION MISSISSIPPI RIVER AT
BURLINGTON, IOWA 25

DATE OF SAMPLE			ALGAE (Number per milliliter)										INERT DIATOM SHELLS		MOST ABUNDANT ALGAE - Genera and Count Level per ml. (See text for Codes)																			
			TOTAL	BLUE-GREEN		GREEN		FLAGELLATED (Pigmented)		DIATOMS					1ST		2ND		3RD		4TH		5TH		6TH		7TH		8TH		9TH		10TH	
MONTH	DAY	YEAR		COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL
10	1	62	9900	50	0	620	*	270	0	7230	360	1130	0	68	5	71	4	69	3	50	3	51	1	38	1								
10	15	62	8500	20	110	1740	0	250	0	5830	520	2780	230	68	4	69	4	71	4	27	3	38	2	26	2	24	1						
11	5	62	21200	990	290	1280	0	460	80	16970	1080	7290	210	71	7	68	3	69	3	3	2	92	2	24	2	87	1	38	1	25	1	1	1
11	19	62	9700	20	160	1040	0	50	20	7800	590	6890	180	71	6	69	3	24	2	77	2	84	1										
12	3	62	51500	210	120	2150	0	1450	170	45950	1450	12960	170	71	9	92	3	24	3	25	3	69	3	68	2	34	2	77	1	38	1	3	1
12	17	62	10900	0	50	140	0	90	0	10440	180	1530	50	71	7																		
1	7	63	8900	0	70	130	0	150	0	8270	310	860	40	71	6	77	1																
1	21	63	2500	0	0	90	0	0	0	2270	150	310	0	71	4																		
2	4	63	900	0	0	0	0	40	0	860	20	460	70	71	3																		
2	18	63	1600	0	0	20	0	0	80	1300	150	570	40	71	3																		
3	4	63	3100	0	90	0	0	40	40	2730	150	90	260	71	4	68	2																
3	18	63	3000	0	80	40	0	40	0	2330	530	1110	570	71	4	92	1	68	1														
4	1	63	3500	0	0	110	0	130	40	2730	510	1360	660	71	5	88	1																
4	15	63	37600	0	40	760	0	420	550	34940	880	4160	500	71	8	68	3	52	2	64	2	88	2	69	2	92	1	38	1	65	1		
5	6	63	26700	70	310	3260	0	420	0	20880	1740	7700	920	71	8	24	3	38	3	60	3	77	2	34	2	69	2	51	2	25	1	15	1
5	20	63	14600	20	660	2090	0	440	0	9860	1540	10120	680	71	6	69	3	38	3	17	2	92	2	25	2	77	2	16	2	51	2	88	1
6	3	63	16100	40	760	4350	0	570	250	9180	950	4050	290	71	6	24	3	68	3	26	3	38	3	69	3	51	2	17	2	77	2	15	2
6	17	63	2500	40	20	460	0	0	80	1660	210	2860	150	71	3	69	2	26	1	38	1												
7	1	63	6300	70	90	1520	0	260	110	3890	330	3260	110	71	5	38	2	26	2	68	2	35	1	51	1								
7	15	63	3200	60	60	370	0	40	20	2260	390	830	0	69	3	68	3	71	2														
8	5	63	4900	170	20	290	0	60	20	4220	100	1370	270	69	5	71	2	68	2														
8	19	63	6300	210	20	1040	20	210	20	4490	290	1040	600	69	5	68	2	38	2	24	1												
9	3	63	6100	20	90	970	0	90	0	4360	580	3180	280	69	5	71	3	68	2	24	2	38	1										
9	16	63	4600	50	50	610	0	270	20	3500	140	930	70	69	4	71	3	68	2	38	1	51	1										
*10	1	62					1402																										

NATIONAL WATER QUALITY NETWORK

PLANKTON POPULATION

STATE IOWA
MAJOR BASIN UPPER MISSISSIPPI RIVER
MINOR BASIN MISSISSIPPI-DES MOINES-SKUNK RIVERS
STATION LOCATION MISSISSIPPI RIVER AT
BURLINGTON, IOWA 025

DATE OF SAMPLE			DOMINANT SPECIES OF DIATOMS AND PERCENT OF TOTAL DIATOMS (See text for Codes)									FUNGI AND SHEATHED BACTERIA Number per ml.	PROTOZOA (Identifiable) Number per ml.	MICROINVERTEBRATES																			
														ROTIFERS											CRUSTACEA								
															GENERA AND COUNT LEVEL (See text for Codes)											GENERA AND COUNT LEVEL (See text for Codes)							
			1ST		2ND		3RD		4TH						1ST		2ND		3RD		4TH		5TH			1ST		2ND		3RD			
MONTH	DAY	YEAR	SPECIES	PERCENT	SPECIES	PERCENT	SPECIES	PERCENT	SPECIES	PERCENT	OTHER SPECIES PERCENT			NUMBER PER LITER	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	NUMBER PER LITER	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	NEMATODES (Identifiable) Number per liter	OTHER ANIMAL FORMS (Number per liter)
10	1	62	26	35	56	25	58	15	63	8	17	-	-	229	11	5	22	3	17	3	21	2	15	2	3	50	1					0	0
10	15	62	56	39	26	22	58	16	83	7	16	-	-	75	11	4	15	2							0							0	0
11	5	62	82	44	56	24	57	7	58	6	19	-	-	168	11	5	17	3	21	3	2	1	22	1	3	50	1					0	0
11	19	62	80	40	97	25	56	22	45	5	8	-	-	24	17	2	11	1							1							0	0
12	3	62	80	86	82	4	56	3	92	2	5	-	-	288	21	5	11	4	2	3	17	2	19	1	6	50	1	76	1			0	0
12	17	62	60	97	56	1	26	1	36	1		140	-	4											0							0	0
1	7	63	82	60	80	37	9	2	47	1		-	-	3											0							0	0
1	21	63	82	70	9	13	80	11	92	2	4	-	-	23	2	2									1							0	0
2	4	63	82	85	9	5	26	2	89	2	6	-	-	3											0							0	0
2	18	63	82	73	56	5	92	4	26	3	15	-	-	0											0							0	0
3	4	63	86	18	82	17	71	9	80	8	48	-	-	0											0							0	0
3	18	63	92	18	60	17	56	15	58	13	37	-	-	1											0							3	0
4	1	63	56	29	80	26	71	14	92	8	23	-	-	0											1							0	0
4	15	63	56	45	83	19	80	18	92	4	14	-	-	2											1							0	0
5	6	63	82	89	27	3	26	2	56	2	4	-	-	103	11	4	2	3							0							0	0
5	20	63	80	41	82	26	56	17	92	5	11	-	-	410	11	7									1							0	0
6	3	63	82	51	60	13	56	6	50	4	26	-	-	1079	11	8	2	4	22	3	15	2	17	1	2							0	0
6	17	63	80	27	82	27	56	16	58	10	20	-	-	16	11	1	22	1							1							0	0
7	1	63	82	40	80	21	58	11	56	10	18	-	-	29	22	1	17	1							0							0	0
7	15	63	58	41	26	21	56	13	82	12	13	-	-	829	22	6	11	6	18	5	2	4	17	4	0							0	0
8	5	63	56	94	26	3					3	-	-	6	2	1									6	76	2					0	0
8	19	63	56	88	58	5	26	5			2	-	-	17	11	1	2	1							2							0	0
9	3	63	56	80	58	8	26	3	82	2	7	-	-	12	11	1									0							0	0
9	16	63	56	76	26	8	82	7	80	2	7	-	-	1082	11	7	22	6	2	6	18	4	17	2	4	52	1					0	0

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NATIONAL WATER QUALITY NETWORK

PLANKTON POPULATION

STATE IOWA

MAJOR BASIN UPPER MISSISSIPPI RIVER

MINOR BASIN MISSISSIPPI-DES MOINES-SKUNK RIVERS

STATION LOCATION MISSISSIPPI RIVER AT

BURLINGTON, IOWA 025

DATE OF SAMPLE			DOMINANT SPECIES OF DIATOMS AND PERCENT OF TOTAL DIATOMS (See text for Codes)									FUNGI AND SHEATHED BACTERIA Number per ml.	MICROINVERTEBRATES																				
													PROTOZOA (Identifiable) Number per ml.	ROTIFERS											CRUSTACEA							NEMATODES (Identifiable) Number per liter	OTHER ANIMAL FORMS (Number per liter)
														NUM-BER PER LITER	GENERA AND COUNT LEVEL (See text for Codes)										NUM-BER PER LITER	GENERA AND COUNT LEVEL (See text for Codes)							
			1ST		2ND		3RD		4TH						1ST		2ND		3RD		4TH		5TH			1ST		2ND		3RD			
MONTH	DAY	YEAR	SPECIES	PERCENT	SPECIES	PERCENT	SPECIES	PERCENT	SPECIES	PERCENT	OTHER SPECIES PERCENT				GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL		GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL		
10	7	63	56	84	82	7	58	3	26	3	3	-	0	16	2	2									1							0	0
10	21	63	56	79	82	12	27	3			6	-	0	640	11	7	22	5	18	4	2	4	17	4	0							0	0
11	4	63	56	74	82	18	27	4	26	2	2	-	0	620	11	7	22	4	17	4	2	2	46	1	3	50	1					0	0
11	18	63	82	56	58	34	56	3	80	3	4	-	0	700	11	7	2	4	17	3	22	1			15	51	2	52	1	77	1	0	0
12	2	63	82	78	58	14	83	5			3	-	0	286	11	6	2	3	17	1					1							0	0
12	16	63	82	95	83	2	56	1			2	-	0	-	61	1	1-								1							0	0
1	6	64	82	59	80	39					2	-	0	-	4-										0							0	0
2	3	64	82	95	92	2					3	-	0	-											3	50	1					0	0
2	17	64	82	96							4	-	0	-	3-										0							0	0

NATIONAL WATER QUALITY NETWORK

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE IOWA
MAJOR BASIN UPPER MISSISSIPPI RIVER
MINOR BASIN MISSISSIPPI-DES MOINES-SKUNK RIVERS
STATION LOCATION MISSISSIPPI RIVER AT
BURLINGTON, IOWA 25

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES											
BEGINNING			END								NEUTRALS									
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	1	62	10	9	4560	149	59	90	1	16	17	1	1	15	0	9	5	1	10
11	5	62	11	15	4160	165	46	119	1	13	15	1	1	12	1	5	2	1	9
12	3	62	12	12	4760	173	26	147	1	7	10	1	1	8	0	2	1	1	4
1	7	63	1	14	5010	170	25	145	-	-	-	-	-	-	-	-	-	-	-
2	4	63	2	11	4940	226	39	187	2	8	17	3	3	11	0	4	2	1	5
3	4	63	3	11	4133	295	97	196	-	-	-	-	-	-	-	-	-	-	-
4	1	63	4	8	3510	274	131	143	5	35	37	3	4	24	6	28	14	1	11
4	12	63	4	26	4060	232	66	166	2	17	23	1	2	17	3	7	3	2	12
5	6	63	5	12	3600	137	37	100	2	11	12	1	1	10	0	4	2	1	5
5	13	63	5	24	4560	135	49	86	-	-	-	-	-	-	-	-	-	-	-
5	27	63	6	4	5000	124	42	82	3	11	12	1	1	9	1	5	3	1	7
6	8	63	6	15	3430	187	85	102	-	-	-	-	-	-	-	-	-	-	-
6	18	63	6	28	4800	152	88	64	10	24	16	1	1	14	0	10	12	1	15
7	1	63	7	9	3260	241	104	137	-	-	-	-	-	-	-	-	-	-	-
8	5	63	8	13	1960	306	109	197	3	30	33	2	4	26	1	19	11	2	11
9	2	63	9	19	4180	131	39	92	-	-	-	-	-	-	-	-	-	-	-

NATIONAL WATER QUALITY NETWORK

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE IOWA

MAJOR BASIN UPPER MISSISSIPPI RIVER

MINOR BASIN MISSISSIPPI-DES MOINES-SKUNK RIVERS

STATION LOCATION MISSISSIPPI RIVER AT
BURLINGTON, IOWA 25

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES										
BEGINNING			END								NEUTRALS								
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	7	63	10	15	2250	273	95	178	4	26	25	2	2	20	1	15	11	2	12
10	16	63	10	23	5000	116	30	86	-	-	-	-	-	-	-	-	-	-	-
11	4	63	11	17	5020	131	36	95	-	-	-	-	-	-	-	-	-	-	-
11	25	63	12	6	5000	141	29	112	-	-	-	-	-	-	-	-	-	-	-
12	9	63	12	18	5000	159	42	117	-	-	-	-	-	-	-	-	-	-	-
1	6	64	1	12	5020	152	49	103	-	-	-	-	-	-	-	-	-	-	-

NATIONAL WATER QUALITY NETWORK

RADIOACTIVITY DETERMINATIONS

STATE IOWA
MAJOR BASIN UPPER MISSISSIPPI RIVER
MINOR BASIN MISSISSIPPI-DES MOINES-SKUNK RIVERS
STATION LOCATION MISSISSIPPI RIVER AT
BURLINGTON, IOWA 25

DATE SAMPLE TAKEN			DATE OF DETERMINATION		RADIOACTIVITY IN WATER												RADIOACTIVITY IN PLANKTON					
					ALPHA						BETA						DATE OF DETERMINATION		GROSS ACTIVITY			
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL				ALPHA		BETA	
MO.	DAY	YR.	MO.	DAY	pc/l	±	pc/l	±	pc/l	±	pc/l	±	pc/l	±	pc/l	±	MO.	DAY	pc/g	±	pc/g	±
10	1	62	10	25	1	1	0	1	1	1	14	6	28	8	42	10						
10	8	62	11	7	-	-	-	-	-	-	13	6	22	7	35	9						
10	15	62	11	14	-	-	-	-	-	-	18	13	30	9	48	16						
10	22	62	12	5	-	-	-	-	-	-	15	7	23	8	38	11						
10	29	62	11	26	-	-	-	-	-	-	5	3	24	4	29	5						
11	26	62	12	16*	0	0	0	1	0	1	310	11	24	6	334	14						
12	17	62	1	23*	0	0	2	1	2	1	2	6	28	9	30	11						
1	28	63	2	21*	0	0	0	1	0	1	5	6	18	9	23	11						
2	25	63	3	11*	0	0	0	1	0	1	3	5	20	7	23	9						
3	25	63	4	16*	1	1	1	1	2	1	120	11	80	10	200	15						
4	29	63	5	20*	1	1	2	1	3	1	72	5	62	4	134	6						
5	27	63	6	17*	0	2	0	1	0	2	45	15	49	4	94	16						
6	18	63	7	30*	0	1	1	1	1	1	13	7	37	8	50	11						
7	29	63	8	16*	0	1	0	1	0	1	15	6	46	9	61	11						
8	26	63	9	20*	0	1	1	1	1	1	8	5	38	7	46	9						
9	30	63	10	22*	0	1	1	1	1	1	7	4	27	5	34	6						

NATIONAL WATER QUALITY NETWORK

RADIOACTIVITY DETERMINATIONS

STATE	IOWA
MAJOR BASIN	UPPER MISSISSIPPI RIVER
MINOR BASIN	MISSISSIPPI-DES MOINES-SKUNK RIVERS
STATION LOCATION	MISSISSIPPI RIVER AT BURLINGTON, IOWA 25

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER																RADIOACTIVITY IN PLANKTON					
			DATE OF DETERMINATION		ALPHA						BETA								DATE OF DETERMINATION		GROSS ACTIVITY			
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL						ALPHA		BETA	
MO.	DAY	YR.	MO.	DAY	pc/l	±	pc/l	±	pc/l	±	pc/l	±	pc/l	±	pc/l	±			MO.	DAY	pc/g	±	pc/g	±
10	28	63	11	26*	0	1	2	2	2	2	4	5	27	8	31	9								
12	2	63	12	30*	0	1	1	1	1	1	4	1	24	2	28	2								
12	30	63	1	14*	0	1	1	2	1	2	5	2	18	4	23	4								
1	27	64	2	19*	0	0	1	1	1	1	1	2	14	3	15	4								
2	24	64	3	17*	0	1	1	1	1	1	4	2	19	4	23	4								

NATIONAL WATER QUALITY NETWORK

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE IOWA
MAJOR BASIN UPPER MISSISSIPPI RIVER
MINOR BASIN MISSISSIPPI-WAPSIPINICON & TRIB.
STATION LOCATION MISSISSIPPI RIVER AT
DUBUQUE, IOWA 26

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	8	62	19.1	6.0	8.3	2.5	6	-	-	-	9	132	160	-	100	-	-	-	9000
10	15	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1500
10	23	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6000
11	5	62	5.0	11.5	8.6	2.2	4	-	-	-	8	115	164	-	100	-	-	-	440
11	20	62	4.8	13.2	8.8	2.0	4	-	-	-	-	137	162	-	100	-	-	-	100
11	26	62	5.2	12.4	8.2	2.1	3	-	-	-	9	145	173	-	100	-	-	-	400
12	3	62	4.0	12.8	8.9	1.8	3	-	-	-	8	150	172	-	*100	-	-	-	1000
2	5	63	.5	11.2	8.1	2.8	45	-	-	-	8	160	158	-	*25	-	-	-	-
2	12	63	.9	11.0	8.0	2.6	44	-	-	-	9	162	166	-	*25	-	-	-	-
3	18	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*10
3	19	63	1.0	13.5	7.8	5.5	72	-	-	-	9	112	118	-	250	-	-	-	-
3	25	63	2.5	7.0	7.8	5.2	70	-	-	-	9	110	135	-	75	-	-	-	-
4	1	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5000
4	8	63	8.8	8.2	8.2	5.8	10	-	-	-	8	127	136	-	25	-	-	-	370
4	15	63	9.2	7.5	8.9	6.0	11	-	-	-	9	113	121	-	60	-	-	-	1800
4	23	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1100
5	6	63	20.4	7.0	8.4	3.3	80	-	-	-	8	124	128	-	75	-	-	-	50
5	13	63	22.0	6.8	8.6	3.1	76	-	-	-	9	122	125	-	110	-	-	-	-
5	20	63	23.5	6.4	8.6	2.9	70	-	-	-	8	94	126	-	100	-	-	-	-
5	27	63	19.0	8.3	8.8	3.5	8	-	-	-	8	108	129	-	75	-	-	-	700
6	3	63	20.8	6.0	8.1	4.6	9	-	-	-	7	106	138	-	75	-	-	-	100
6	10	63	21.2	5.9	8.2	4.7	8	-	-	-	8	128	135	-	80	-	-	-	1400
6	17	63	21.0	5.8	8.3	4.9	8	-	-	-	8	130	142	-	75	-	-	-	20
6	24	63	22.3	5.4	8.1	4.8	7	-	-	-	7	128	138	-	-	-	-	-	300
7	1	63	23.0	5.0	8.3	5.1	8	-	-	-	8	132	135	-	50	-	-	-	550
7	8	63	23.5	5.0	8.6	9.0	30	-	-	-	4	124	158	-	-	30	.5	182	*10
7	16	63	23.0	5.0	8.1	9.4	27	-	-	-	5	130	155	50	*50	32	.4	185	800
7	22	63	23.2	5.1	8.2	9.2	26	-	-	-	7	128	157	-	-	34	.3	188	460
7	30	63	23.1	5.0	8.3	8.9	23	-	-	-	8	132	170	-	-	28	.2	180	5000
8	19	63	22.8	5.2	8.6	9.0	17	-	-	-	9	140	168	-	-	26	.1	170	1000
8	26	63	21.1	5.3	8.4	9.4	17	-	-	-	8	140	165	-	-	28	.1	166	-
9	2	63	20.7	5.5	8.5	9.2	19	-	-	-	9	142	162	-	-	26	.2	172	-
9	3	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30
9	9	63	19.5	6.0	8.2	8.8	17	-	-	-	8	134	158	-	*25	24	.3	178	-
9	10	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	70
9	16	63	18.0	6.3	8.3	2.4	14	-	-	-	7	138	154	-	80	28	.4	190	630
9	23	63	16.8	7.1	8.4	2.2	12	-	-	-	7	140	156	-	70	24	.5	180	260
9	30	63	16.1	7.5	8.2	2.0	10	-	-	-	9	134	178	-	-	28	.4	174	30

NATIONAL WATER QUALITY NETWORK

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE IOWA

MAJOR BASIN UPPER MISSISSIPPI RIVER

MINOR BASIN MISSISSIPPI-WAPSIPINICON & TRIB.

STATION LOCATION MISSISSIPPI RIVER AT

DUBUQUE, IOWA 26

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	7	63	15.8	8.0	8.3	1.8	9	-	-	-	8	136	176	15	35	26	.2	172	290
10	14	63	15.8	8.1	8.2	1.5	7	-	-	-	9	140	178	20	35	20	.2	176	1200
11	4	63	9.9	12.2	8.4	4.8	9	.6	13.0	.3	8	145	163	23	35	16	.3	210	20
11	11	63	9.5	13.0	8.7	3.4	7	.5	12.0	.4	9	140	168	20	[illegible]	12	.3	215	150
11	19	63	9.6	12.6	9.0	6.2	7	.3	11.5	.3	8	140	172	20	25	10	.4	218	500
11	26	63	5.5	12.8	8.6	4.4	7	.5	10.5	.3	9	142	170	20	25	12	.3	208	-
12	10	63	.5	13.5	8.5	4.0	6	.4	9.2	.3	8	140	154	20	*25	10	.2	210	160
12	16	63	.2	14.0	8.4	3.6	5	.3	8.6	.3	8	142	152	20	25	9	.3	206	*10
12	24	63	.2	14.0	8.4	3.6	6	.3	8.8	.2	9	150	152	20	25	9	.3	208	30
12	30	63	.1	13.8	8.5	3.4	6	.3	7.0	.3	8	155	158	20	*25	7	.2	212	-
12	31	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	150
1	6	64	.1	13.5	8.4	3.0	5	.2	4.8	.2	8	158	156	20	25	5	.2	210	10
2	24	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100
3	2	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100
3	9	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*100
3	17	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10

NATIONAL WATER QUALITY NETWORK

PLANKTON POPULATION

STATE IOWA

MAJOR BASIN UPPER MISSISSIPPI RIVER

MINOR BASIN MISSISSIPPI-WAPSIPINICON & TRIB.

STATION LOCATION MISSISSIPPI RIVER AT

DUBUQUE, IOWA 26

DATE OF SAMPLE			ALGAE (Number per milliliter)									INERT DIATOM SHELLS		MOST ABUNDANT ALGAE - Genera and Count Level per ml. (See text for Codes)																			
			TOTAL	BLUE-GREEN		GREEN		FLAGELLATED (Pigmented)		DIATOMS				1ST		2ND		3RD		4TH		5TH		6TH		7TH		8TH		9TH		10TH	
MONTH	DAY	YEAR		COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL
10	7	63	7900	110	140	1220	0	230	0	5670	540	1190	90	69	5	71	3	38	2	88	1	68	1	25	1	51	1						
11	4	63	8600	0	410	1110	0	70	0	6500	520	2610	520	71	5	69	5	38	2	15	2	25	1										
11	19	63	9600	0	150	570	0	0	0	8900	210	2230	20	71	6	69	4	38	1														
11	26	63	13200	0	70	590	0	200	50	11880	380	3560	320	71	7	69	3	38	1	51	1												
12	10	63	5900	20	20	160	0	50	0	5400	230	410	110	71	5	69	3																
12	16	63	17000	20	20	250	0	200	90	16220	180	860	50																				
1	6	64	2700	20	20	210	0	0	60	1670	250	970	20	71	4	69	1																
2	24	64	94500	0	0	70	0	0	90	94110	200	900	70	71	9																		

NATIONAL WATER QUALITY NETWORK

PLANKTON POPULATION

STATE IOWA

MAJOR BASIN UPPER MISSISSIPPI RIVER

MINOR BASIN MISSISSIPPI-WAPSIPINICON & TRIB.

STATION LOCATION MISSISSIPPI RIVER AT

DUBUQUE, IOWA 26

DATE OF SAMPLE			ALGAE (Number per milliliter)									INERT DIATOM SHELLS		MOST ABUNDANT ALGAE - Genera and Count Level per ml. (See text for Codes)																			
			TOTAL	BLUE-GREEN		GREEN		FLAGELLATED (Pigmented)		DIATOMS				1ST		2ND		3RD		4TH		5TH		6TH		7TH		8TH		9TH		10TH	
MONTH	DAY	YEAR		COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL
10	8	62	4900	0	100	460	166	150	0	2630	1450	660	210	69	4	68	3	87	3	71	3	84	2	38	1	50	1						
10	15	62	3900	60	40	210	0	310	100	2730	460	370	170	71	4	69	4	51	1														
11	5	62	16600	50	410	970	0	110	0	14360	720	3800	110	71	7	69	5	24	2	15	2	77	1	82	1								
11	20	62	13400	0	140	500	0	180	0	12060	540	1670	140	71	7	69	2	24	2	77	2												
12	3	62	15400	210	40	210	0	250	0	13750	990	2190	0	71	7	69	2	77	1	51	1	3	1										
12	29	62	1600	0	0	20	0	20	0	1430	90	130	0	71	4																		
1	8	63	4700	0	0	180	0	320	0	4050	200	450	0	71	6	57	1																
1	29	63	1200	0	0	0	0	0	70	1080	70	290	20	71	3																		
2	11	63	2700	0	60	40	0	150	80	2290	80	690	40	71	4	68	2																
2	18	63	1200	0	20	20	0	0	60	1110	20	270	130	71	3																		
3	19	63	1200	0	80	0	0	20	20	500	550	250	840	71	2	87	1	88	1														
4	1	63	2000	0	0	20	0	110	0	1650	200	330	220	71	4																		
4	8	63	8100	0	0	240	0	90	70	7500	240	680	130	71	6	69	1	44	1														
4	15	63	56000	0	170	500	0	500	0	53590	1220	2440	710	71	9	68	3	88	2	92	2	52	1	69	1	25	1	26	1	51	1		
5	6	63	32200	0	1110	3050	0	590	460	24650	2310	6150	440	71	8	17	3	82	3	21	3	69	3	68	3	88	3	26	3	77	3	38	2
5	20	63	17400	20	740	2980	0	270	320	11820	1260	3340	440	69	4	26	3	24	3	32	3	71	2	77	2	38	2	68	2	88	2	15	2
6	3	63	5400	110	400	770	0	200	0	3210	730	1430	220	71	4	69	2	92	2	38	1	68	1	15	1	51	1	77	1				
6	17	63	6900	110	90	1280	0	950	0	4110	400	1830	180	71	5	51	3	69	3	68	2	26	1	24	1	30	1	34	1	65	1		
7	1	63	1200	90	0	120	0	140	0	720	160	380	160	69	2	71	2																
7	15	63	900	20	60	290	0	20	0	460	20	100	40	69	1																		
7	30	63	2400	40	120	330	0	40	0	1260	600	1060	210	69	3																		
8	19	63	3600	630	150	1470	0	20	0	1120	190	500	190	68	3	3	2	31	2	38	2	71	1	30	1								
9	3	63	2200	40	130	540	0	110	0	1250	130	1290	370	71	2	69	2	68	2	38	1												
9	16	63	3200	70	430	590	0	290	70	1520	200	410	90	71	3	69	2	68	2	11	2	51	1										

NATIONAL WATER QUALITY NETWORK

PLANKTON POPULATION

STATE IOWA
MAJOR BASIN UPPER MISSISSIPPI RIVER
MINOR BASIN MISSISSIPPI-WAPSIPINICON & TRIB.
STATION LOCATION MISSISSIPPI RIVER AT
DUBUQUE, IOWA 026

DATE OF SAMPLE			DOMINANT SPECIES OF DIATOMS AND PERCENT OF TOTAL DIATOMS (See text for Codes)									FUNGI AND SHEATHED BACTERIA Number per ml.	PROTOZOA (Identifiable) Number per ml.	MICROINVERTEBRATES																			
			1ST		2ND		3RD		4TH		OTHER SPECIES PERCENT			ROTIFERS											CRUSTACEA							NEMATODES (Identifiable) Number per liter	OTHER ANIMAL FORMS (Number per liter)
														NUMBER PER LITER	GENERA AND COUNT LEVEL (See text for Codes)										NUMBER PER LITER	GENERA AND COUNT LEVEL (See text for Codes)							
															1ST		2ND		3RD		4TH		5TH			1ST		2ND		3RD			
MONTH	DAY	YEAR	SPECIES	PERCENT	SPECIES	PERCENT	SPECIES	PERCENT	SPECIES	PERCENT					GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL		GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL		
10	8	62	56	23	58	14	57	10	26	9	44	-	-	64	11	4	22	1							3	76	1					0	0
10	15	62	56	29	83	22	82	20	58	9	20	-	-	47	17	3	11	2	2	1					0							0	0
11	5	62	97	38	56	36	83	9	82	9	8	-	-	96	11	4	17	3	21	2	2	1			6	50	1	52	1			0	0
11	20	62	82	45	80	35	56	10	83	4	6	-	-	9	11	1									1							0	0
12	3	62	80	89	9	4	57	2	56	1	4	-	-	12	11	2									0							0	0
12	29	62	80	95	9	2	26	1	56	1	1	-	-	216	11	5	21	4	2	2	17	1			15	50	3					0	0
1	8	63	82	71	80	17	9	7	92	2	3	-	-	2											0							0	0
1	29	63	82	84	9	6	27	2	80	1	7	-	-	1											0							0	0
2	11	63	82	79	80	6	9	2	56	2	11	130	-	0											0							0	0
2	18	63	82	78	80	6	56	4	71	3	9	-	-	2											0							0	0
3	19	63	65	22	71	19	80	8	66	8	43	-	-	0											0							0	0
4	1	63	82	29	80	29	71	9	56	9	24	-	-	2											1							0	0
4	8	63	80	38	82	38	56	8	71	4	12	-	-	6											0							0	0
4	15	63	82	89	56	4	9	3	26	1	3	-	-	2											0							0	0
5	6	63	82	52	80	32	56	6	9	4	6	-	-	718	11	7	2	4	17	3	21	2	7	2	39	76	4	52	1			1	0
5	20	63	58	37	82	31	80	11	35	5	16	-	-	509	11	7	17	3	2	3	21	2	7	1	96	50	5	76	4	52	3	0	0
6	3	63	56	29	82	24	80	16	46	9	22	-	-	352	11	6	17	5	21	2	2	1	6	1	69	52	4	51	4	76	3	0	0
6	17	63	82	45	58	12	47	10	56	8	25	-	-	702	22	6	11	6	17	5	21	5	2	3	114	50	5	76	4	52	1	0	0
7	1	63	82	47	56	24	58	16	26	3	10	-	-	14	11	2									2							0	0
7	15	63										-	-	195	18	4	22	4	17	4	11	2			12	50	3					0	0
7	30	63	56	77	58	16	82	6			1	-	-	113	22	4	18	3	11	3	17	1			59	50	5	76	2			0	0
8	19	63	56	42	58	31	26	12	57	3	12	-	-	1588	22	8	11	6	17	6	18	5	2	5	121	50	5					0	0
9	3	63	58	35	82	21	56	14	26	11	19	-	-	77	11	4	2	2	17	2					12	50	2	76	2			0	0
9	16	63	56	29	82	26	58	13	26	8	24	-	-	588	11	6	17	5	22	5	2	4	18	3	12	50	2					0	0

NATIONAL WATER QUALITY NETWORK

PLANKTON POPULATION

STATE IOWA
MAJOR BASIN UPPER MISSISSIPPI RIVER
MINOR BASIN MISSISSIPPI-WAPSIPINICON & TRIB.
STATION LOCATION MISSISSIPPI RIVER AT
DUBUQUE, IOWA 026

DATE OF SAMPLE			DOMINANT SPECIES OF DIATOMS AND PERCENT OF TOTAL DIATOMS (See text for Codes)									FUNGI AND SHEATHED BACTERIA Number per ml.	MICROINVERTEBRATES																				
			1ST		2ND		3RD		4TH		OTHER SPECIES PERCENT		PROTOZOA (Identifiable) Number per ml.	ROTIFERS											CRUSTACEA							NEMATODES (Identifiable) Number per liter	OTHER ANIMAL FORMS (Number per liter)
														NUMBER PER LITER	GENERA AND COUNT LEVEL (See text for Codes) 1ST		2ND		3RD		4TH		5TH		NUMBER PER LITER	GENERA AND COUNT LEVEL (See text for Codes) 1ST		2ND		3RD			
MONTH	DAY	YEAR	SPECIES	PERCENT	SPECIES	PERCENT	SPECIES	PERCENT	SPECIES	PERCENT					GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL		GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL		
10	7	63	56	89	82	3					8	-	0	43	11	3	17	1							0							0	0
11	4	63	56	54	82	30	56	6	83	4	6	-	0	710	11	7	2	3	21	3	22	3	17	1	66	50	5	51	1	52	1	0	0
11	19	63	82	44	80	23	56	18	58	13	2	-	0	670	11	7	17	4	21	4	2	4	18	1	12	50	2	52	1	76	1	0	0
11	26	63	80	59	82	32	56	6	9	1	2	-	0	320	11	6	17	2	2	1					15	77	3					0	0
12	10	63	82	56	80	21	58	7	56	5	11	-	0	-	1-										1							0	0
12	16	63	82	67	80	27	58	2			4	-	0	-											1							0	0
1	6	64	82	60	80	10	56	6	83	6	12	-	0	-	21	1	11	7	1-						2							0	0
2	24	64	82	99							1	-	0	-	3-										0							0	0

NATIONAL WATER QUALITY NETWORK

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE IOWA
MAJOR BASIN UPPER MISSISSIPPI RIVER
MINOR BASIN MISSISSIPPI-WAPSIPINICON & TRIB.
STATION LOCATION MISSISSIPPI RIVER AT
DUBUQUE, IOWA 26

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES										
BEGINNING			END								NEUTRALS								
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	1	62	10	10	1598	267	109	158	3	35	22	1	1	18	2	11	10	2	26
10	29	62	11	6	2445	–	**	155	–	–	–	–	–	–	–	–	–	–	–
12	4	62	12	13	5865	213	108	105	2	28	29	2	3	24	0	21	10	1	17
1	8	63	1	16	6000	152	35	117	1	9	11	1	1	9	0	4	3	1	6
2	3	63	2	18	8767	129	44	85	–	–	–	–	–	–	–	–	–	–	–
3	12	63	3	19	4432	297	76	221	2	17	34	3	4	25	2	11	4	2	6
4	3	63	4	12	2902	268	103	165	–	–	–	–	–	–	–	–	–	–	–
4	12	63	4	19	4635	155	51	104	1	12	20	1	2	15	2	5	2	2	9
4	23	63	5	1	4365	165	53	112	1	15	18	1	2	14	1	6	3	2	8
5	6	63	5	13	3330	162	67	95	5	15	23	1	1	21	0	11	5	1	7
5	15	63	5	22	1800	315	143	172	–	–	–	–	–	–	–	–	–	–	–
5	28	63	6	4	4800	153	59	94	2	16	17	1	1	14	1	10	5	1	8
6	4	63	6	11	4732	174	78	96	–	–	–	–	–	–	–	–	–	–	–
6	25	63	7	2	5468	120	43	77	1	11	13	1	1	11	0	7	4	1	6
7	4	63	7	14	4027	162	77	85	4	22	16	1	1	13	1	9	8	2	16
8	10	63	8	15	3667	181	45	136	–	–	–	–	–	–	–	–	–	–	–
9	4	63	9	17	2602	220	73	147	2	20	24	2	3	19	0	10	6	2	9

** LABORATORY ACCIDENT

NATIONAL WATER QUALITY NETWORK

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE IOWA
MAJOR BASIN UPPER MISSISSIPPI RIVER
MINOR BASIN MISSISSIPPI-WAPSIPINICON & TRIB.
STATION LOCATION MISSISSIPPI RIVER AT
DUBUQUE, IOWA
26

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES										
BEGINNING			END								NEUTRALS								
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	7	63	10	14	5152	90	27	63	-	-	-	-	-	-	-	-	-	-	-
11	4	63	11	14	3585	115	36	79	-	-	-	-	-	-	-	-	-	-	-
12	5	63	12	12	3667	176	50	126	-	-	-	-	-	-	-	-	-	-	-
1	6	64	1	13	1800	277	54	223	-	-	-	-	-	-	-	-	-	-	-

NATIONAL WATER QUALITY NETWORK

RADIOACTIVITY DETERMINATIONS

STATE IOWA

MAJOR BASIN UPPER MISSISSIPPI RIVER

MINOR BASIN MISSISSIPPI-WAPSIPINICON & TRIB.

STATION LOCATION MISSISSIPPI RIVER AT

DUBUQUE, IOWA 26

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER														RADIOACTIVITY IN PLANKTON					
			DATE OF DETERMINATION		ALPHA						BETA						DATE OF DETERMINATION		GROSS ACTIVITY			
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL				ALPHA		BETA	
MO.	DAY	YR.	MO.	DAY	pc/l	±	pc/l	±	pc/l	±	pc/l	±	pc/l	±	pc/l	±	MO.	DAY	pc/g	±	pc/g	±
10	8	62	11	1	-	-	-	-	-	-	14	6	32	8	46	10						
10	15	62	11	16	1	1	3	3	4	3	15	6	8	9	23	10						
10	23	62	11	17	-	-	-	-	-	-	1	6	9	8	10	10						
11	26	62	12	12*	0	4	0	1	0	4	27	6	29	8	56	10						
12	31	62	2	5*	0	0	0	1	0	1	2	6	20	8	22	10						
1	29	63	[illegible]	21*	1	1	3	2	4	2	3	6	19	9	22	11						
2	18	63	3	26*	1	1	1	1	2	1	4	5	16	7	20	9						
3	19	63	4	22*	2	2	0	1	2	2	410	12	188	5	598	13						
4	29	63	5	17*	0	1	0	1	0	1	50	8	59	9	109	12						
5	27	63	6	13*	1	1	1	1	2	1	30	7	51	9	81	11						
6	24	63	7	15*	0	0	0	1	0	1	11	3	46	5	57	6						
7	30	63	8	16*	0	0	1	1	1	1	0	16	46	9	46	18						
8	26	63	10	10*	0	1	2	2	2	2	0	18	40	9	40	20						
9	30	63	10	22*	0	1	1	2	1	2	4	4	35	6	39	7						

NATIONAL WATER QUALITY NETWORK

RADIOACTIVITY DETERMINATIONS

STATE IOWA

MAJOR BASIN UPPER MISSISSIPPI RIVER

MINOR BASIN MISSISSIPPI-WAPSIPINICON & TRIB.

STATION LOCATION MISSISSIPPI RIVER AT

DUBUQUE, IOWA 26

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER																RADIOACTIVITY IN PLANKTON					
			DATE OF DETERMINATION		ALPHA						BETA						DATE OF DETERMINATION		GROSS ACTIVITY			
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL				ALPHA		BETA	
MO.	DAY	YR.	MO.	DAY	pc/l	±	pc/l	±	pc/l	±	pc/l	±	pc/l	±	pc/l	±	MO.	DAY	pc/g	±	pc/g	±
10	13	63	12	6*	0	1	1	2	1	2	6	6	24	8	30	10						
11	26	63	12	26*	0	0	1	1	1	1	1	1	25	3	26	3						
12	31	63	1	20*	0	1	0	2	0	2	3	1	18	2	21	2						
1	6	64	3	9	0	1	3	3	3	3	2	1	20	2	22	2						

NATIONAL WATER QUALITY NETWORK

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE MISSOURI

MAJOR BASIN MISSOURI RIVER

MINOR BASIN LOWER MISSOURI BELOW NIOBRARA RIVER

STATION LOCATION MISSOURI RIVER AT

ST. LOUIS, MISSOURI 28

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	1	62	18.9	8.1	8.2	1.6	33	3.4	9.9	.0	14	127	174	20	1200	78	.4	274	12000
10	8	62	19.4	8.7	8.2	2.8	14	2.6	8.8	.1	15	137	200	24	430	90	.6	380	6500
10	15	62	19.4	7.7	8.2	1.3	10	3.0	10.0	.0	16	143	198	20	490	90	.6	381	6600
10	22	62	19.4	8.5	8.2	1.4	12	2.9	9.0	.1	22	151	212	24	550	113	.3	398	12000
10	29	62	14.4	10.1	8.0	3.3	12	2.7	8.0	.0	25	153	220	24	600	115	.4	431	16000
11	5	62	9.4	10.2	8.2	2.6	-	1.5	6.3	.0	23	163	242	12	193	124	.2	463	3000
11	12	62	12.2	10.4	8.2	1.9	5	2.0	5.0	.0	24	174	260	10	170	162	.1	521	-
11	19	62	10.0	10.6	8.1	2.7	7	1.6	4.8	.2	24	178	267	8	170	165	.1	505	10000
11	26	62	7.8	10.9	8.3	2.3	6	1.8	4.2	.0	24	173	260	12	220	177	.1	503	36000
12	3	62	10.0	10.5	8.3	2.7	5	1.9	3.4	.1	25	176	260	8	128	161	.2	505	21000
12	10	62	4.4	12.2	8.2	3.6	4	1.5	2.6	.0	30	208	292	12	110	111	.2	539	9800
12	17	62	1.7	13.0	8.3	5.6	2	1.8	3.1	.2	33	230	295	12	87	134	.2	512	5200
12	24	62	3.3	13.0	8.2	5.6	17	-	-	.3	50	267	343	6	160	159	.2	601	19000
12	31	62	3.9	13.0	8.4	6.0	3	-	-	.4	37	206	302	10	100	156	.2	498	500
1	7	63	.6	12.1	8.3	4.2	0	3.0	4.6	.4	43	244	309	12	70	177	.2	557	5000
1	14	63	2.2	12.6	8.1	3.8	0	3.0	4.7	.4	38	226	305	5	65	163	.3	523	50
1	21	63	.0	12.8	8.1	3.3	2	2.8	3.9	.3	32	242	313	7	28	140	.1	510	1700
1	28	63	.0	12.8	8.4	3.3	3	2.8	4.0	-	32	254	309	9	5	147	.1	504	100
2	4	63	3.3	10.6	8.3	3.4	2	7.3	8.4	1.0	50	256	332	14	17	180	.1	616	700
2	11	63	.0	12.8	-	3.4	3	4.4	7.9	.8	33	208	304	12	85	180	.2	573	2000
2	18	63	.6	12.0	8.1	-	3	5.2	9.8	.6	35	180	240	20	130	126	.2	440	3300
2	25	63	2.2	11.8	8.1	-	4	4.8	8.8	.6	31	181	240	14	155	126	.2	454	2000
3	4	63	2.2	11.2	8.2	-	-	4.4	8.6	.6	32	194	250	14	145	124	.3	461	1000
3	11	63	6.7	10.1	8.0	-	54	5.9	9.8	.6	11	103	132	28	1725	48	.2	217	50000
3	18	63	8.9	10.0	8.3	-	59	6.7	12.5	.4	15	114	144	24	2050	42	.3	231	15000
3	25	63	10.0	8.7	8.3	-	22	5.0	16.1	.4	15	127	170	24	1750	84	.2	294	13000
4	1	63	15.0	7.7	8.2	2.8	29	3.0	15.7	.2	20	151	203	20	700	100	.1	361	14000
4	8	63	15.6	10.8	8.3	4.0	-	2.4	11.5	.0	19	149	216	14	390	102	.2	387	5000
4	15	63	11.7	11.8	8.3	2.7	8	1.6	6.0	.5	31	167	245	14	230	143	.2	479	40000
4	22	63	18.3	10.6	8.3	2.2	10	1.7	4.9	.1	23	170	256	14	240	163	.3	515	*170
4	29	63	17.8	11.6	8.3	4.0	11	1.7	7.5	.0	19	165	260	12	190	102	.2	521	9500
5	6	63	15.6	6.6	8.3	3.7	10	2.8	10.9	.0	18	128	182	20	2625	117	.2	355	18000
5	13	63	18.3	7.3	8.3	1.6	24	2.8	14.9	.0	20	145	205	24	1325	125	.2	441	-
5	20	63	18.9	5.2	8.8	3.2	23	2.9	14.0	.1	15	118	170	32	3400	132	.2	320	-
5	27	63	16.2	7.7	8.0	2.2	23	3.7	13.0	.1	18	141	196	22	675	138	.2	380	17000
6	3	63	21.1	7.3	8.0	1.5	11	1.8	10.4	.0	15	142	194	16	350	119	.3	476	7500
6	10	63	27.8	6.2	8.0	2.2	85	3.9	11.9	.1	20	154	237	12	875	106	.2	466	25000
6	17	63	24.4	6.6	7.9	1.4	27	4.0	15.2	.1	21	140	211	24	2715	149	.3	430	-
6	18	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22000

NATIONAL WATER QUALITY NETWORK

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE MISSOURI

MAJOR BASIN MISSOURI RIVER

MINOR BASIN LOWER MISSOURI BELOW NIOBRARA RIVER

STATION LOCATION MISSOURI RIVER AT

ST. LOUIS, MISSOURI 28

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
6	24	63	24.4	7.1	8.1	1.7	23	2.9	10.8	.1	27	146	217	24	775	167	.1	441	13000
7	1	63	27.8	5.1	7.9	2.3	125	-	-	-	23	114	195	20	3500	143	.2	-	33000
7	8	63	27.8	5.9	8.0	.9	44	-	-	-	33	138	200	18	1500	163	.2	-	-
7	15	63	26.1	7.1	8.0	1.9	17	2.0	6.0	.0	23	154	234	14	475	180	.4	481	17000
7	22	63	28.3	6.3	8.4	1.1	18	3.9	10.7	.0	35	147	232	18	800	172	.3	478	11000
7	29	63	28.9	6.7	8.2	1.6	9	2.8	5.4	.0	23	153	243	10	265	193	.3	534	9000
8	5	63	28.9	6.5	8.7	.5	14	2.6	7.8	.0	23	153	238	12	245	194	.3	479	4500
8	12	63	28.3	6.9	8.3	1.5	9	2.0	6.8	.0	23	146	232	8	325	195	.4	479	5000
8	19	63	23.9	7.2	8.2	1.2	39	-	-	-	19	142	226	10	775	187	.4	-	16000
8	26	63	25.6	7.4	8.2	1.1	7	1.7	4.9	.0	20	144	230	14	275	193	.3	473	13000
9	3	63	26.7	7.5	8.2	1.3	15	-	-	-	24	152	232	12	160	210	.3	-	-
9	9	63	26.7	7.3	8.3	.8	33	2.0	7.5	.1	23	141	226	16	250	193	.3	487	15000
9	16	63	23.3	7.8	8.3	1.2	17	2.2	8.0	.0	22	144	224	30	180	197	.3	485	25000
9	23	63	23.3	8.0	8.3	1.4	9	2.3	7.8	.0	20	139	215	10	250	178	.4	456	25000
9	30	63	20.0	7.6	-	.2	8	1.5	6.8	.0	24	143	224	14	175	194	.4	449	13000

NATIONAL WATER QUALITY NETWORK

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE MISSOURI
MAJOR BASIN MISSOURI RIVER
MINOR BASIN LOWER MISSOURI BELOW NIOBRARA RIVER
STATION LOCATION MISSOURI RIVER AT
ST. LOUIS, MISSOURI

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	7	63	20.0	7.8	-	2.6	22	2.8	8.0	.0	20	144	215	20	650	-	.5	496	11000
10	14	63	18.3	8.5	-	1.3	7	1.7	7.4	.0	24	144	230	18	190	177	.5	478	15000
10	21	63	20.0	8.4	-	1.4	12	2.3	6.8	.1	24	148	232	16	170	187	.5	482	10000
10	28	63	19.4	8.4	8.4	2.1	12	1.5	6.0	.0	23	144	230	20	160	165	.3	469	10000
11	4	63	15.6	9.1	8.0	1.7	7	1.7	6.9	.1	22	142	230	18	230	236	.3	-	17000
11	12	63	11.7	10.0	8.1	2.0	5	-	-	-	23	144	238	28	150	181	.3	-	-
11	18	63	10.6	10.1	8.0	1.4	5	1.9	7.0	.1	23	148	238	10	215	196	.0	521	10000
11	25	63	10.0	10.9	8.1	2.6	7	-	-	-	22	142	228	8	175	206	.3	-	-
12	2	63	5.6	11.7	8.0	3.3	4	1.7	5.0	.1	25	151	236	14	138	187	.2	526	8000
12	9	63	4.4	12.0	8.1	3.3	3	-	-	-	28	176	249	14	115	174	.3	-	7500
12	16	63	.0	13.3	8.3	4.4	-	2.9	6.7	.2	31	201	283	18	113	160	.2	519	8500
12	23	63	.0	12.9	8.4	5.1	-	-	-	-	31	237	310	10	*25	157	.2	-	-
12	30	63	.0	12.0	8.0	4.0	-	6.0	-	.7	43	288	355	12	*25	214	.2	524	44
1	6	64	.6	11.8	8.1	4.3	-	8.0	12.0	.8	51	227	318	10	50	177	.2	635	1000
1	13	64	.6	12.1	8.2	4.4	-	6.4	-	.7	41	204	280	9	40	192	.2	561	200
1	20	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	150
1	27	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	500
2	3	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1000
2	10	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4700
2	17	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1000
2	24	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1500
3	2	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1000
3	9	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4600
3	16	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2800

NATIONAL WATER QUALITY NETWORK

PLANKTON POPULATION

STATE MISSOURI
MAJOR BASIN MISSOURI RIVER
MINOR BASIN LOWER MISSOURI BELOW NIOBRARA RIVER
STATION LOCATION MISSOURI RIVER AT
ST. LOUIS, MISSOURI 28

DATE OF SAMPLE			ALGAE (Number per milliliter)										INERT DIATOM SHELLS		MOST ABUNDANT ALGAE - Genera and Count Level per ml. (See text for Codes)																			
			TOTAL	BLUE-GREEN		GREEN		FLAGELLATED (Pigmented)		DIATOMS					1ST		2ND		3RD		4TH		5TH		6TH		7TH		8TH		9TH		10TH	
MONTH	DAY	YEAR		COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL
10	1	62	700	0	0	90	0	90	0	320	180	50	180																				
10	15	62	2300	0	40	480	0	0	0	790	1040	120	210	71	2	88	2	38	1														
11	5	62	4400	0	0	870	0	170	0	2280	1120	790	170	71	4	69	2	88	2	38	2	25	1	24	1	84	1	87	1				
11	19	62	1900	0	70	230	0	110	90	1150	290	560	560	69	2																		
12	3	62	3700	0	60	410	0	190	60	1800	1180	830	170	71	4	87	2	38	1	88	1	68	1										
12	17	62	1600	0	40	150	0	110	0	1060	220	620	260	71	3																		
1	7	63	1900	0	20	0	0	90	0	1650	140	90	70	71	4	68	1																
1	21	63	1100	0	110	60	0	80	0	780	20	170	20	71	3																		
2	4	63	1000	0	0	0	0	150	0	840	20	0	20	71	3																		
2	18	63	700	0	0	20	0	40	40	150	400	20	130	77	1																		
3	4	63	1600	0	80	20	0	210	190	500	610	340	780	77	2	71	2	65	1														
3	18	63	700	0	0	0	0	60	0	60	530	110	210																				
4	1	63	1100	0	0	0	0	130	170	270	570	210	840	71	1	65	1																
4	15	63	9400	60	130	590	0	570	1995	4640	1410	3530	1370	71	5	65	4	68	3	87	3	51	2	77	2	88	2	38	2	62	1		
5	6	63	700	0	0	0	0	40	0	570	70	20	240																				
5	20	63	-	-	-	-	-	-	-	-	-	-	-																				
6	3	63	1800	0	0	480	0	20	0	770	510	550	640	71	3	38	2	77	2	68	1												
6	17	63	-	-	-	-	-	-	-	-	-	-	-																				
7	1	63	-	-	-	-	-	-	-	-	-	-	-																				
7	15	63	1100	0	0	150	0	70	0	830	60	460	190																				
8	5	63	1300	40	20	250	0	100	0	680	170	520	230	69	1	68	1	71	1														
8	19	63	500	0	0	100	0	20	0	270	80	80	190																				
9	3	63	4000	90	0	1740	0	150	0	990	1010	1630	820	38	3	69	1	25	1														
9	16	63	3700	0	0	1090	0	340	0	1760	520	810	450	38	2	69	1	35	1	51	1												

NATIONAL WATER QUALITY NETWORK

PLANKTON POPULATION

STATE MISSOURI
MAJOR BASIN MISSOURI RIVER
MINOR BASIN LOWER MISSOURI BELOW NIOBRARA RIVER
STATION LOCATION MISSOURI RIVER AT
ST. LOUIS, MISSOURI 28

DATE OF SAMPLE			ALGAE (Number per milliliter)									INERT DIATOM SHELLS		MOST ABUNDANT ALGAE - Genera and Count Level per ml. (See text for Codes)																			
			TOTAL	BLUE-GREEN		GREEN		FLAGELLATED (Pigmented)		DIATOMS				1ST		2ND		3RD		4TH		5TH		6TH		7TH		8TH		9TH		10TH	
MONTH	DAY	YEAR		COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL
10	9	63	2000	0	0	810	0	270	0	500	430	1080	880	38	2	51	1																
10	21	63	7600	20	0	1580	0	340	0	5130	500	5780	1330	68	5	71	4	38	3	88	2	55	1										
11	4	63	4500	0	0	2070	0	180	0	1440	810	1350	740	38	4	68	3	71	3	80	2	25	1	87	1	69	1						
11	18	63	2100	0	20	270	0	100	0	1100	600	560	680	71	3	68	2																
12	2	63	3200	0	0	270	0	0	0	770	2120	2520	9140																				
12	16	63	4000	0	0	300	0	70	230	2840	540	410	520	71	4	68	2																
1	6	64	17400	0	0	250	0	40	250	16790	80	700	120	71	7	68	3	65	1														
1	20	64	3400	0	20	90	0	200	140	2960	20	90	0	71	5	51	1																
2	3	64	3700	0	0	20	0	200	200	2720	560	520	450	71	5	88	1																
2	17	64	2100	0	0	110	0	320	70	1400	230	180	180	71	4	51	1																

NATIONAL WATER QUALITY NETWORK

PLANKTON POPULATION

STATE MISSOURI
MAJOR BASIN MISSOURI RIVER
MINOR BASIN LOWER MISSOURI BELOW NIOBRARA RIVER
STATION LOCATION MISSOURI RIVER AT
ST. LOUIS, MISSOURI 028

DATE OF SAMPLE			DOMINANT SPECIES OF DIATOMS AND PERCENT OF TOTAL DIATOMS (See text for Codes)									FUNGI AND SHEATHED BACTERIA Number per ml.	MICROINVERTEBRATES																				
			1ST		2ND		3RD		4TH		OTHER SPECIES PERCENT		PROTOZOA (Identifiable) Number per ml.	ROTIFERS											CRUSTACEA							NEMATODES (Identifiable) Number per liter	OTHER ANIMAL FORMS (Number per liter)
														NUMBER PER LITER	GENERA AND COUNT LEVEL (See text for Codes)										NUMBER PER LITER	GENERA AND COUNT LEVEL (See text for Codes)							
															1ST		2ND		3RD		4TH		5TH			1ST		2ND		3RD			
MONTH	DAY	YEAR	SPECIES	PERCENT	SPECIES	PERCENT	SPECIES	PERCENT	SPECIES	PERCENT					GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL		GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL		
10	1	62	80	20	82	9	26	8	58	8	55	-	-	-											-							-	-
10	15	62	58	49	80	13	26	6	82	5	27	-	-	0											0							0	0
11	5	62	80	35	82	19	46	7	83	5	34	-	-	0											0							0	0
11	19	62	80	44	46	15	97	11	48	4	26	-	-	0											0							0	0
12	3	62	82	41	80	19	26	7	46	6	27	-	-	0											0							0	0
12	17	62	82	24	80	23	26	6	46	4	43	-	-	0											0							0	0
1	7	63	82	59	70	7	26	6	71	5	23	-	-	0											0							0	0
1	21	63	82	76	71	4	9	3	72	3	14	-	-	0											0							0	0
2	4	63	82	84	56	7	70	2	68	2	5	-	-	0											0							0	0
2	18	63	9	26	82	26	71	6	64	5	37	-	-	0											0							0	0
3	4	63	71	44	92	10	80	9	36	8	29	-	-	0											0							0	0
3	18	63										-	-	-											-							-	-
4	1	63	71	20	80	10	92	8	56	6	56	-	-	0											0							0	0
4	15	63	82	55	27	18	80	11	26	3	13	-	-	0											0							0	0
5	6	63										-	-	-											-							-	-
5	20	63										-	-	-											-							-	-
6	3	63	82	34	9	31	26	10	80	7	18	-	-	0											0							0	0
6	17	63										-	-	-											-							-	-
7	1	63										-	-	-											-							-	-
7	15	63										-	-	-											-							-	-
8	5	63	58	37	80	23	26	17	56	4	19	-	-	-											-							-	-
8	19	63										-	-	-											-							-	-
9	3	63										-	-	-											-							-	-
9	16	63										-	-	-											-							-	-

NATIONAL WATER QUALITY NETWORK

PLANKTON POPULATION

STATE MISSOURI
MAJOR BASIN MISSOURI RIVER
MINOR BASIN LOWER MISSOURI BELOW NIOBRARA RIVER
STATION LOCATION MISSOURI RIVER AT
ST. LOUIS, MISSOURI 028

DATE OF SAMPLE			DOMINANT SPECIES OF DIATOMS AND PERCENT OF TOTAL DIATOMS (See text for Codes)									FUNGI AND SHEATHED BACTERIA Number per ml.	MICROINVERTEBRATES																			
			1ST		2ND		3RD		4TH		OTHER SPECIES PERCENT		PROTOZOA (Identifiable) Number per ml.	ROTIFERS											CRUSTACEA							NEMATODES (Identifiable) Number per liter	OTHER ANIMAL FORMS (Number per liter)
														NUMBER PER LITER	GENERA AND COUNT LEVEL (See text for Codes)										NUMBER PER LITER	GENERA AND COUNT LEVEL (See text for Codes)							
															1ST		2ND		3RD		4TH		5TH			1ST		2ND		3RD			
MONTH	DAY	YEAR	SPECIES	PERCENT	SPECIES	PERCENT	SPECIES	PERCENT	SPECIES	PERCENT					GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL		GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL		
10	9	63										-	0	-											-							-	-
10	21	63	27	57	82	20	23	9	80	7	7	-	0	1											0							0	0
11	4	63	82	35	27	24	26	7	23	7	27	-	0	-											-							-	-
11	18	63	82	47	27	23	23	7	70	4	19	-	0	0											0							0	0
12	2	63										-	0	-											-							-	-
12	16	63	82	66	26	12	70	4	58	2	16	-	0	-											1							0	0
1	6	64	82	87	26	3	80	2			8	-	0	-											0							0	0
1	20	64	82	88	26	3	70	3	67	1	5	-	0	-											0							0	0
2	3	64	82	75	80	10	27	3	70	2	10	-	0	-	3-										0							0	0
2	17	64	82	73	80	6	26	3	70	3	15	-	0	-											2							0	0

NATIONAL WATER QUALITY NETWORK

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE MISSOURI
MAJOR BASIN MISSOURI RIVER
MINOR BASIN LOWER MISSOURI BELOW NIOBRARA RIVER
STATION LOCATION MISSOURI RIVER AT
ST. LOUIS, MISSOURI 28

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES										
BEGINNING			END								NEUTRALS								
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	15	62	10	29	3570	142	33	109	0	8	13	1	1	10	1	4	1	1	6
11	15	62	11	30	4343	194	89	105	7	29	19	2	1	16	0	10	10	2	12
12	15	62	12	31	4763	215	35	180	-	-	-	-	-	-	-	-	-	-	-
1	15	63	1	31	10125#	68	23	65	1	5	9	1	1	7	0	4	1	1	2
2	15	63	2	28	3210	276	60	216	-	-	-	-	-	-	-	-	-	-	-
3	15	63	3	31	3173	240	43	197	1	10	18	1	2	14	1	5	2	1	6
4	15	63	4	30	3480	118	34	84	-	-	-	-	-	-	-	-	-	-	-
5	15	63	5	31	1808	265	70	195	2	19	27	5	3	18	1	9	5	2	6
6	15	63	6	30	1185#	262	104	158	-	-	-	-	-	-	-	-	-	-	-
7	15	63	7	31	2003#	201	59	142	0	16	18	2	2	13	1	9	5	1	10
8	15	63	8	30	3345	127	40	87	-	-	-	-	-	-	-	-	-	-	-
9	15	63	9	30	4777	87	19	68	0	4	8	1	1	6	0	3	1	0	3

ESTIMATED

NATIONAL WATER QUALITY NETWORK

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE	MISSOURI
MAJOR BASIN	MISSOURI RIVER
MINOR BASIN	LOWER MISSOURI BELOW NIOBRARA RIVER
STATION LOCATION	MISSOURI RIVER AT ST. LOUIS, MISSOURI 28

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES										
BEGINNING			END								NEUTRALS								
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	15	63	10	31	4215	95	14	81	-	-	-	-	-	-	-	-	-	-	-
11	15	63	11	29	2100	201	23	178	-	-	-	-	-	-	-	-	-	-	-

NATIONAL WATER QUALITY NETWORK

RADIOACTIVITY DETERMINATIONS

STATE MISSOURI
MAJOR BASIN MISSOURI RIVER
MINOR BASIN LOWER MISSOURI BELOW NIOBRARA RIVER
STATION LOCATION MISSOURI RIVER AT
ST. LOUIS, MISSOURI 28

DATE SAMPLE TAKEN			DATE OF DETERMINATION		RADIOACTIVITY IN WATER												RADIOACTIVITY IN PLANKTON					
					ALPHA						BETA						DATE OF DETERMINATION		GROSS ACTIVITY			
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL				ALPHA		BETA	
NO.	DAY	YR.	NO.	DAY	pc/l	±	pc/l	±	pc/l	±	pc/l	±	pc/l	±	pc/l	±	NO.	DAY	pc/g	±	pc/g	±
10	1	62	11	2	-	-	-	-	-	-	138	86	36	10	174	87						
10	29	62	11	21	14	8	5	3	19	8	31	23	30	16	61	28						
11	19	62	12	21*	6	5	3	3	9	6	24	33	36	15	60	36						
12	24	62	1	21*	1	2	2	2	3	3	13	8	31	9	44	12						
1	28	63	2	16*	4	5	7	4	11	6	26	19	40	18	66	26						
2	25	63	3	11*	3	2	3	3	6	3	15	12	37	14	52	18						
3	25	63	4	15*	20	13	6	2	26	13	231	43	49	5	280	43						
4	22	63	5	17*	14	9	2	2	16	9	99	44	32	13	131	46						
5	27	63	6	13*	35	23	2	2	37	23	524	103	66	16	590	104						
6	24	63	7	23*	13	15	4	3	17	15	248	68	56	13	304	69						
7	29	63	8	16*	21	16	2	3	23	16	219	49	53	16	272	52						
8	26	63	9	20*	9	7	3	3	12	8	83	33	29	13	112	35						
9	30	63	10	17*	2	5	0	3	2	6	14	34	35	16	49	38						

NATIONAL WATER QUALITY NETWORK

RADIOACTIVITY DETERMINATIONS

STATE MISSOURI
MAJOR BASIN MISSOURI RIVER
MINOR BASIN LOWER MISSOURI BELOW NIOBRARA RIVER
STATION LOCATION MISSOURI RIVER AT
ST. LOUIS, MISSOURI 28

DATE SAMPLE TAKEN			DATE OF DETERMINATION		RADIOACTIVITY IN WATER												RADIOACTIVITY IN PLANKTON					
					ALPHA						BETA						DATE OF DETERMINATION		GROSS ACTIVITY			
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL				ALPHA		BETA	
NO.	DAY	YR.	NO.	DAY	pc/l	±	pc/l	±	pc/l	±	pc/l	±	pc/l	±	pc/l	±	NO.	DAY	pc/g	±	pc/g	±
10	28	63	11	25*	3	3	2	3	5	4	23	11	22	11	45	16						
11	26	63	12	26*	1	1	2	2	3	2	11	2	24	4	35	4						
12	30	63	1	20*	0	2	5	5	5	5	7	2	28	4	35	4						
1	30	64	2	19*	1	1	3	2	4	2	11	5	20	6	31	8						
2	28	64	3	17*	0	1	1	3	1	3	12	3	24	4	36	5						

NATIONAL WATER QUALITY NETWORK

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE KANSAS
MAJOR BASIN MISSOURI RIVER
MINOR BASIN LOWER MISSOURI BELOW NIOBRARA RIVER
STATION LOCATION MISSOURI RIVER AT
KANSAS CITY, KANSAS 29

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	1	62	16.7	7.1	8.0	3.0	64	1.9	6.2	.1	16	164	233	4	1100	208	.4	469	16000
10	8	62	17.6	7.5	7.9	2.3	47	2.9	7.0	.0	14	160	250	4	430	174	-	492	29000
10	15	62	21.3	1.8	8.0	5.5	41	2.2	6.9	.0	16	160	245	6	320	189	.5	503	37000
10	22	62	14.8	6.8	7.8	4.1	62	.8	6.9	.1	13	147	257	7	2400	161	.3	426	-
11	5	62	8.4	9.8	8.0	1.5	35	1.4	-	.0	17	168	257	6	210	207	.3	523	20000
11	19	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26000
11	26	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5000
12	3	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20000
12	11	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28000
12	17	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34000
12	24	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48000
1	7	63	.6	12.4	8.0	3.2	32	3.9	6.9	.3	25	209	304	3	90	189	.4	586	53000
1	14	63	.1	12.9	7.9	2.1	27	.8	5.3	.2	26	208	296	3	50	181	.4	568	8000
1	21	63	.2	12.2	7.8	2.0	9	.6	5.9	.4	24	265	368	3	20	192	.3	643	-
1	28	63	.2	11.0	7.8	1.5	9	.7	6.9	.4	29	227	339	2	20	241	.4	667	2300
2	4	63	.5	-	7.8	-	-	-	-	-	31	204	298	2	25	211	-	-	9000
2	11	63	.1	8.9	7.7	5.2	29	.6	10.6	.5	26	174	235	2	200	138	.4	479	21000
2	18	63	.6	10.3	7.9	4.8	21	.5	10.2	.4	20	180	246	8	110	149	.6	462	39000
2	25	63	.3	11.9	7.9	2.7	16	.9	8.9	.4	26	190	260	6	115	147	.5	473	13000
3	4	63	.3	11.5	7.9	5.5	24	.8	9.5	.4	24	191	253	3	270	150	.5	486	78000
3	11	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30000
3	18	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	46000
3	25	63	9.9	8.7	8.0	7.9	68	-	12.9	.4	-	168	222	10	1300	109	.4	400	64000
4	1	63	13.7	7.8	7.9	3.6	31	3.1	9.4	.1	17	158	215	4	500	131	.4	404	120000
4	8	63	13.5	8.1	7.9	-	26	2.5	7.4	.0	18	163	245	4	330	163	.4	452	16000
4	11	63	-	10.1	7.9	8.6	80	.7	-	.5	20	140	181	10	1500	90	.6	345	-
4	15	63	13.0	8.3	8.0	3.0	25	-	-	.0	20	170	263	3	270	215	.4	555	40000
4	18	63	-	9.6	7.8	7.5	107	.9	13.0	.6	13	141	-	20	1600	95	.4	336	-
4	22	63	15.8	7.6	8.0	2.6	24	-	-	.0	18	172	291	4	280	229	.3	568	50000
4	29	63	13.8	8.6	8.0	1.9	19	1.8	5.4	.0	19	163	186	4	230	231	.3	568	81000
5	6	63	16.6	6.2	7.8	4.3	141	.5	3.6	.1	15	157	246	4	2400	195	.3	494	70000
5	13	63	21.9	7.1	8.0	2.2	27	1.3	8.9	.0	20	165	265	4	330	227	.4	555	16000
5	20	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17000
5	27	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20000
5	28	63	16.9	-	8.0	-	24	-	-	.0	17	168	246	4	320	217	.3	546	-
6	3	63	22.2	7.3	7.9	1.9	25	2.0	6.2	.0	15	171	284	4	250	234	.4	577	12000
6	10	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	47000
6	17	63	24.4	5.8	8.0	1.3	34	-	-	.0	17	166	267	6	500	222	.3	546	-
6	18	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30000

NATIONAL WATER QUALITY NETWORK

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE KANSAS
MAJOR BASIN MISSOURI RIVER
MINOR BASIN LOWER MISSOURI BELOW NIOBRARA RIVER
STATION LOCATION MISSOURI RIVER AT
KANSAS CITY, KANSAS 29

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
6	24	63	24.8	6.3	8.0	2.2	37	2.0	8.9	.1	17	162	260	5	625	202	.4	520	18000
7	1	63	28.5	5.5	7.7	2.8	66	.9	2.9	.0	12	136	212	4	1500	161	.4	-	100000
7	8	63	27.3	6.2	7.9	-	25	2.0	9.0	.0	24	159	270	5	340	228	.3	536	40000
7	15	63	26.4	5.9	7.9	1.8	35	2.0	9.0	.0	16	163	280	5	680	210	.4	524	25000
7	22	63	28.4	5.8	7.9	1.6	24	2.5	9.0	.0	21	162	253	10	400	144	.4	576	22000
7	29	63	26.6	6.3	7.9	1.3	19	2.1	6.2	.0	14	164	26	4	240	240	.4	580	22000
8	5	63	27.7	5.9	7.9	1.7	26	2.4	10.8	.0	16	151	270	4	400	-	.3	525	13000
8	13	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100000
8	19	63	22.6	6.4	7.9	1.9	18	2.1	7.0	.0	18	150	243	4	240	212	.3	490	60000
8	26	63	25.0	6.4	8.0	1.3	17	2.0	6.5	.0	17	162	270	4	170	226	.4	539	31000
9	3	63	-	6.1	8.0	1.2	17	2.0	7.4	-	16	152	236	4	220	214	.3	519	53000
9	9	63	24.8	6.6	7.9	1.6	18	2.0	6.9	.0	16	154	236	4	180	210	.2	511	13000
9	16	63	20.8	7.1	7.9	1.7	21	2.6	6.2	.0	17	151	241	3	320	197	.4	-	25000
9	23	63	20.8	7.1	8.0	1.6	15	2.0	5.6	.0	18	151	245	3	180	218	.5	530	28000
9	30	63	18.8	7.6	8.0	1.9	17	1.6	5.0	.0	17	158	242	4	180	206	.5	505	-

NATIONAL WATER QUALITY NETWORK

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE KANSAS
MAJOR BASIN MISSOURI RIVER
MINOR BASIN LOWER MISSOURI BELOW NIOBRARA RIVER
STATION LOCATION MISSOURI RIVER AT
KANSAS CITY, KANSAS 29

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	7	63	19.5	7.8	8.1	2.0	15	1.3	5.0	.0	17	156	-	3	160	221	.3	528	5000
10	14	63	19.5	7.9	8.0	1.9	15	1.5	5.2	.0	18	158	253	3	170	218	.4	542	16000
10	21	63	18.7	6.4	7.9	2.2	21	2.1	5.0	.0	16	157	248	3	290	213	.4	515	30000
10	28	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	65000
11	4	63	11.4	9.4	8.1	1.8	15	1.4	3.5	.0	13	161	268	3	160	219	.3	528	150000
11	18	63	7.5	-	8.1	-	-	-	-	-	15	146	263	2	190	224	.3	527	100000
12	2	63	3.7	11.2	8.1	-	16	1.6	4.3	.1	18	172	277	3	140	202	.4	535	13000
12	9	63	1.8	-	8.1	5.5	21	2.7	5.3	.2	24	212	284	2	190	-	.5	567	15000
12	23	63	.2	12.4	7.9	2.4	13	.8	9.6	1.0	38	292	407	3	25	219	.7	720	-
12	30	63	.0	11.6	7.8	2.1	12	.3	6.1	.4	29	206	311	3	*25	221	.7	618	3000
1	6	64	.2	10.9	8.0	2.4	-	-	-	.6	28	186	268	4	40	191	1.2	569	-
1	14	64	.0	12.4	7.9	2.7	10	.8	6.6	.4	28	193	267	3	30	188	.8	587	8500
1	21	64	.9	11.6	7.8	2.6	11	.6	8.4	.5	31	208	335	3	40	188	.7	567	25000
2	4	64	3.8	11.5	8.0	4.8	12	.8	8.1	.4	28	192	267	4	95	167	.7	509	-
2	10	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	69000
2	17	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25000
2	25	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17000
3	2	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3500
3	10	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20000
3	17	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6500

NATIONAL WATER QUALITY NETWORK

PLANKTON POPULATION

STATE KANSAS
MAJOR BASIN MISSOURI RIVER
MINOR BASIN LOWER MISSOURI BELOW NIOBRARA RIVER
STATION LOCATION MISSOURI RIVER AT
KANSAS CITY, KANSAS 29

DATE OF SAMPLE			ALGAE (Number per milliliter)									INERT DIATOM SHELLS		MOST ABUNDANT ALGAE - Genera and Count Level per ml. (See text for Codes)																			
			TOTAL	BLUE-GREEN		GREEN		FLAGELLATED (Pigmented)		DIATOMS				1ST		2ND		3RD		4TH		5TH		6TH		7TH		8TH		9TH		10TH	
MONTH	DAY	YEAR		COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL
10	1	62	3800	0	380	0	0	0	0	1480	1900	2530	2110	71	3	87	2	92	2	16	2	88	2	68	1								
10	15	62	12800	410	0	1680	828	850	0	5800	3230	3310	1160	71	5	68	4	88	3	38	3	69	3	87	2	84	2	83	2	97	2	3	2
11	5	62	3200	20	90	320	0	90	0	2250	450	2090	950	71	4	38	1																
11	19	62	1100	0	50	70	0	20	0	520	430	290	470	71	2	88	1																
12	3	62	1300	0	90	140	0	20	140	520	380	720	500	71	2																		
12	17	62	2700	20	70	130	0	180	0	2240	20	150	130	71	4																		
1	7	63	900	0	0	0	0	90	0	730	90	150	130	71	3																		
1	21	63	400	0	0	0	0	130	0	220	0	0	0	71	1																		
2	4	63	700	0	0	20	0	90	0	530	110	70	20	71	2																		
2	18	63	800	0	80	40	0	130	170	190	210	110	340	77	2																		
3	4	63	4700	0	170	0	0	230	170	1810	2290	800	990	77	4	71	4	88	1	51	1	17	1										
3	18	63	600	0	0	0	0	130	0	230	230	40	340																				
4	1	63	3200	0	0	0	0	320	610	950	1340	780	920	71	3	77	3	51	2	65	1												
4	15	63	9900	0	550	970	0	570	550	4750	2520	2670	1470	71	5	77	4	51	2	65	2	17	2	24	2	88	1	92	1	38	1	26	1
5	6	63	800	0	0	60	0	60	0	320	340	130	150																				
5	20	63	2000	0	20	60	0	20	0	860	1030	80	250	77	2																		
6	3	63	6900	0	90	3700	0	240	0	2130	750	1100	860	24	5	71	4	38	3	25	1	68	1	69	1	88	1	35	1	51	1		
6	17	63	1300	0	20	330	0	70	0	370	550	570	1060	77	1	38	1																
7	1	63	–	–	–	–	–	–	–	–	–	–	–																				
7	15	63	700	0	0	150	0	60	0	390	120	270	250																				
8	5	63	1200	0	0	350	0	150	0	410	250	810	210	38	1																		
8	19	63	3100	0	0	840	0	150	0	1620	440	3670	1180	68	3	38	2	69	1	71	1												
9	3	63	2700	0	20	1190	0	220	0	840	420	1030	370	38	2	68	2	69	1	88	1	71	1	35	1								
9	16	63	2400	0	0	610	0	160	0	680	970	590	540	38	2	84	1																

NATIONAL WATER QUALITY NETWORK

PLANKTON POPULATION

STATE KANSAS
MAJOR BASIN MISSOURI RIVER
MINOR BASIN LOWER MISSOURI BELOW NIOBRARA RIVER
STATION LOCATION MISSOURI RIVER AT
KANSAS CITY, KANSAS 29

DATE OF SAMPLE			ALGAE (Number per milliliter)									INERT DIATOM SHELLS		MOST ABUNDANT ALGAE - Genera and Count Level per ml. (See text for Codes)																			
			TOTAL	BLUE-GREEN		GREEN		FLAGELLATED (Pigmented)		DIATOMS				1ST		2ND		3RD		4TH		5TH		6TH		7TH		8TH		9TH		10TH	
MONTH	DAY	YEAR		COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL
10	7	63	7600	20	20	3920	0	250	0	2750	610	4320	70	38	5	71	3	69	3	68	3	25	2	24	2	88	2	51	1	31	1		
10	21	63	4700	0	20	2340	0	250	0	1460	610	2070	950	38	4	71	3	25	3	87	1	88	1	68	1								
11	4	63	5000	0	0	1200	0	250	0	3130	430	1510	900	71	4	68	3	38	3	88	1	51	1										
11	18	63	1700	0	0	230	0	70	0	830	590	700	410	71	3																		
12	2	63	5000	0	90	500	0	90	140	3490	650	810	1010	71	4	68	3	38	1														
12	16	63	8300	0	0	160	0	140	140	6840	1010	450	970	71	5	68	1																
1	6	64	1400	0	0	20	0	0	0	1240	120	210	20	71	3																		
1	21	64	3400	0	0	20	0	100	60	3030	210	310	60	71	5	68	1																
2	4	64	1000	0	0	20	0	70	50	720	140	160	180																				
2	17	64	5400	0	0	290	0	610	100	3620	800	610	980	71	5	51	2	87	1	88	1	84	1										

NATIONAL WATER QUALITY NETWORK

PLANKTON POPULATION

STATE KANSAS
MAJOR BASIN MISSOURI RIVER
MINOR BASIN LOWER MISSOURI BELOW NIOBRARA RIVER
STATION LOCATION MISSOURI RIVER AT
KANSAS CITY, KANSAS 029

DATE OF SAMPLE MONTH	DAY	YEAR	DOMINANT SPECIES OF DIATOMS AND PERCENT OF TOTAL DIATOMS (See text for Codes) 1ST SPECIES	1ST PERCENT	2ND SPECIES	2ND PERCENT	3RD SPECIES	3RD PERCENT	4TH SPECIES	4TH PERCENT	OTHER SPECIES PERCENT	FUNGI AND SHEATHED BACTERIA Number per ml.	PROTOZOA (Identifiable) Number per ml.	MICROINVERTEBRATES ROTIFERS NUMBER PER LITER	ROTIFERS GENERA AND COUNT LEVEL (See text for Codes) 1ST GENUS	1ST COUNT LEVEL	2ND GENUS	2ND COUNT LEVEL	3RD GENUS	3RD COUNT LEVEL	4TH GENUS	4TH COUNT LEVEL	5TH GENUS	5TH COUNT LEVEL	CRUSTACEA NUMBER PER LITER	CRUSTACEA GENERA AND COUNT LEVEL (See text for Codes) 1ST GENUS	1ST COUNT LEVEL	2ND GENUS	2ND COUNT LEVEL	3RD GENUS	3RD COUNT LEVEL	NEMATODES (Nematoda) Number per liter	OTHER ANIMAL FORMS (Number per liter)
10	1	62	80	41	26	11	58	8	82	6	34	-	-	-											-							-	-
10	15	62	46	26	26	15	82	12	80	11	36	-	-	0											0							0	0
11	5	62	80	51	46	8	83	6	48	3	32	50	-	2											1							1	0
11	19	62	82	18	80	12	71	8	26	7	55	-	-	0											0							0	0
12	3	62	45	23	46	22	71	6	92	8	39	50	-	0											0							0	0
12	17	62	82	72	45	3	71	3	64	2	20	-	-	0											0							0	0
1	7	63	82	75	70	9	80	7	46	3	6	-	-	0											1							0	0
1	21	63	82	81	9	7	80	4	26	1	7	-	-	2											1							0	0
2	4	63	9	53	82	14	80	14	46	2	17	-	-	0											1							0	0
2	18	63	80	26	71	23	82	15	86	9	27	-	-	0											0							0	0
3	4	63	80	32	71	24	72	10	46	6	28	-	-	0											0							0	0
3	18	63										-	-	-											-							-	-
4	1	63	71	16	80	12	46	9	92	9	54	-	-	0											0							0	0
4	15	63	80	84	71	3	92	3	11	2	8	-	-	0											0							0	0
5	6	63										-	-	-											-							-	-
5	20	63										-	-	-											-							-	-
6	3	63	82	58	9	24	26	10	56	2	6	-	-	0											1							0	0
6	17	63										-	-	-											-							-	-
7	1	63										-	-	-											-							-	-
7	15	63										-	-	-											-							-	-
8	5	63										0	-	4	10	0	25	0	8	1	2	1	38	1	-							0	0
8	19	63	26	35	58	13	82	11	23	9	32	-	-	0											0							0	0
9	3	63	27	23	82	12	23	12	64	8	45	-	-	3											0							0	0
9	16	63										-	-	-											-							-	-

NATIONAL WATER QUALITY NETWORK

PLANKTON POPULATION

STATE KANSAS

MAJOR BASIN MISSOURI RIVER

MINOR BASIN LOWER MISSOURI BELOW NIOBRARA RIVER

STATION LOCATION MISSOURI RIVER AT

KANSAS CITY, KANSAS 029

DATE OF SAMPLE			DOMINANT SPECIES OF DIATOMS AND PERCENT OF TOTAL DIATOMS (See text for Codes)									FUNGI AND SHEATHED BACTERIA Number per ml.	PROTOZOA (Identifiable) Number per ml.	MICROINVERTEBRATES																			
			1ST		2ND		3RD		4TH					ROTIFERS											CRUSTACEA								
															GENERA AND COUNT LEVEL (See text for Codes)											GENERA AND COUNT LEVEL (See text for Codes)							
															1ST		2ND		3RD		4TH		5TH			1ST		2ND		3RD			
MONTH	DAY	YEAR	SPECIES	PERCENT	SPECIES	PERCENT	SPECIES	PERCENT	SPECIES	PERCENT	OTHER SPECIES PERCENT			NUMBER PER LITER	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	NUMBER PER LITER	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	NEMATODES (Identifiable) Number per liter	OTHER ANIMAL FORMS (Number per liter)
10	7	63	82	40	27	18	23	10	70	6	26	-	0	0											0							0	0
10	21	63	82	41	80	22	26	9	70	6	22	-	0	3											1							0	0
11	4	63	82	53	27	25	70	4	23	3	15	-	0	-											-							-	-
11	18	63	82	35	70	7	23	5	27	5	48	-	0	-											-							-	-
12	2	63	82	44	26	14	27	5	80	4	33	-	0	-											-							-	-
12	16	63	82	51	26	18	80	6	23	4	21	-	0	-											0							0	0
1	6	64	82	88	26	3					9	-	0	-											1							0	0
1	21	64	82	61	1	3	26	3	70	3	30	-	0	-											0							0	0
2	4	64										0	0	0											0							0	0
2	17	64	82	55	70	5	48	5	80	4	31	-	0	-											0							0	0

NATIONAL WATER QUALITY NETWORK

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE KANSAS
MAJOR BASIN MISSOURI RIVER
MINOR BASIN LOWER MISSOURI BELOW NIOBRARA RIVER
STATION LOCATION MISSOURI RIVER AT
KANSAS CITY, KANSAS 29

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES										
BEGINNING			END			TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	NEUTRALS					WEAK ACIDS	STRONG ACIDS	BASES	LOSS
MONTH	DAY	YEAR	MONTH	DAY							TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS				
10	1	62	10	16	5024	94	13	81	0	2	8	2	1	5	0	1	1	0	1
10	18	62	11	2	4857	83	16	67	0	3	7	1	1	5	0	2	1	0	3
11	9	62	11	26	6631	70	14	56	0	2	8	2	1	5	0	2	1	0	1
12	1	62	12	13	4375	175	18	157	0	3	11	2	2	7	0	2	0	0	2
12	21	62	1	7	6530	153	26	127	-	-	-	-	-	-	-	-	-	-	-
1	21	63	2	4	6103	153	35	118	1	8	13	1	1	11	0	4	3	1	5
2	5	63	2	19	5571	193	49	144	-	-	-	-	-	-	-	-	-	-	-
2	25	63	3	11	4790	118	27	91	0	5	15	2	2	10	1	4	2	0	1
3	19	63	4	4	4292	70	12	58	-	-	-	-	-	-	-	-	-	-	-
4	5	63	4	18	4885	82	17	65	0	2	10	3	2	5	0	2	1	0	2
5	4	63	5	17	3470	108	34	74	-	-	-	-	-	-	-	-	-	-	-
5	24	63	6	7	4158	74	17	57	0	3	9	2	1	6	0	3	1	0	1
6	14	63	6	28	4708	62	12	50	-	-	-	-	-	-	-	-	-	-	-
7	2	63	7	16	3562	84	29	55	1	9	7	1	1	5	0	3	2	1	6
7	22	63	8	6	5531	82	21	61	-	-	-	-	-	-	-	-	-	-	-
8	12	63	8	26	4180	80	14	66	0	2	7	1	1	5	0	2	1	0	2
9	5	63	9	20	5031	74	23	51	-	-	-	-	-	-	-	-	-	-	-
9	24	63	10	10	4955	103	27	76	1	7	9	2	1	6	0	3	2	1	4

NATIONAL WATER QUALITY NETWORK

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE	KANSAS
MAJOR BASIN	MISSOURI RIVER
MINOR BASIN	LOWER MISSOURI BELOW NIOBRARA RIVER
STATION LOCATION	MISSOURI RIVER AT KANSAS CITY, KANSAS 29

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES										
BEGINNING			END								NEUTRALS								
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	11	63	10	25	4649	66	20	46	-	-	-	-	-	-	-	-	-	-	-
10	28	63	11	12	4504	96	28	68	-	-	-	-	-	-	-	-	-	-	-
11	14	63	11	29	5356	121	24	97	-	-	-	-	-	-	-	-	-	-	-
12	9	63	12	24	6297	110	19	91	-	-	-	-	-	-	-	-	-	-	-
12	24	63	1	7	5958	155	39	116	-	-	-	-	-	-	-	-	-	-	-
1	17	64	1	31	5985	142	32	110	-	-	-	-	-	-	-	-	-	-	-

NATIONAL WATER QUALITY NETWORK

RADIOACTIVITY DETERMINATIONS

STATE KANSAS
MAJOR BASIN MISSOURI RIVER
MINOR BASIN LOWER MISSOURI BELOW NIOBRARA RIVER
STATION LOCATION MISSOURI RIVER AT
KANSAS CITY, KANSAS 29

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER																RADIOACTIVITY IN PLANKTON					
			DATE OF DETERMINATION		ALPHA						BETA								DATE OF DETERMINATION		GROSS ACTIVITY			
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL						ALPHA		BETA	
MO.	DAY	YR.	MO.	DAY	pc/l	±	pc/l	±	pc/l	±	pc/l	±	pc/l	±	pc/l	±			MO.	DAY	pc/g	±	pc/g	±
10	1	62	10	26	14	10	1	2	15	12	29	76	21	16	50	78								
10	8	62	11	1	–	–	–	–	–	–	51	34	32	17	83	38								
10	15	62	11	9	4	5	2	3	6	6	34	34	45	16	79	38								
10	22	62	11	8	–	–	–	–	–	–	3	90	21	14	24	91								
10	29	62	11	20	–	–	–	–	–	–	38	16	34	15	72	22								
11	26	62	12	20*	2	3	7	4	9	5	26	14	30	14	56	20								
12	31	62	1	15*	2	2	6	3	8	4	15	15	23	17	38	23								
1	28	63	2	21*	0	1	4	3	4	3	8	13	40	19	48	23								
2	25	63	3	11*	1	1	6	3	7	3	4	11	20	13	24	17								
3	29	63	4	15*	20	10	11	3	31	10	106	22	56	7	162	23								
4	29	63	5	20*	6	5	5	3	11	6	56	10	39	8	95	13								
5	28	63	6	17*	32	21	8	4	40	21	318	30	56	8	374	31								
6	24	63	7	23*	6	20	3	4	9	20	295	76	64	14	359	77								
7	29	63	8	19*	14	9	5	3	19	9	84	22	35	8	119	23								
8	26	63	9	20*	7	5	2	3	9	6	51	16	33	13	84	21								
9	30	63	10	22*	9	4	4	3	13	5	31	11	35	11	66	16								

NATIONAL WATER QUALITY NETWORK

RADIOACTIVITY DETERMINATIONS

STATE KANSAS
MAJOR BASIN MISSOURI RIVER
MINOR BASIN LOWER MISSOURI BELOW NIOBRARA RIVER
STATION LOCATION MISSOURI RIVER AT
KANSAS CITY, KANSAS 29

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER															RADIOACTIVITY IN PLANKTON					
			DATE OF DETERMINATION		ALPHA						BETA						DATE OF DETERMINATION		GROSS ACTIVITY			
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL				ALPHA		BETA	
MO.	DAY	YR.	MO.	DAY	pc/l	±	pc/l	±	pc/l	±	pc/l	±	pc/l	±	pc/l	±	MO.	DAY	pc/g	±	pc/g	±
10	28	63	11	25*	4	3	3	3	7	4	17	11	21	14	38	18						
11	26	63	12	26*	2	1	4	2	6	2	14	2	26	4	40	4						
12	30	63	1	20*	1	2	7	5	8	5	11	2	34	4	45	4						
1	28	64	2	19*	1	1	3	3	4	2	5	4	24	6	29	7						

NATIONAL WATER QUALITY NETWORK

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE MISSOURI

MAJOR BASIN MISSOURI RIV

MINOR BASIN LOWER MISSOURI [illegible]

STATION LOCATION MISSOURI RIVER AT

ST. JOSEPH, MISSOURI 30

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	2	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31000
10	5	62	20.0	7.4	8.1	2.4	-	3.0	-	.2	35	168	228	-	250	177	.1	480	-
10	8	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	120000
10	11	62	20.0	7.2	8.2	1.9	-	3.0	5.0	.2	35	164	236	-	300	180	.1	519	-
10	15	62	-	7.6	8.3	2.0	-	-	-	.1	39	164	236	-	250	186	.1	450	3700
10	22	62	15.0	7.9	8.1	3.2	-	-	-	.1	28	152	212	-	170	156	.1	442	170000
10	29	62	10.0	-	8.1	-	-	-	-	.1	30	168	236	0	140	193	.1	513	-
10	30	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13000
11	5	62	12.0	8.0	7.9	2.0	-	3.0	5.0	.1	25	164	240	-	25	206	.1	523	-
11	13	62	12.0	8.4	7.9	2.0	-	-	-	.1	25	168	198	10	150	201	.0	487	-
11	19	62	12.0	7.6	8.1	1.6	-	3.0	5.7	.2	30	168	248	5	150	196	.1	540	-
11	26	62	5.0	7.9	8.1	1.4	-	-	-	-	-	168	248	-	150	202	-	496	-
12	3	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20000
12	4	62	5.0	8.6	8.1	1.7	-	3.0	6.0	.1	24	206	284	5	25	170	.1	503	-
12	10	62	5.0	-	8.1	-	-	3.5	6.5	.1	29	204	276	0	25	172	.0	526	*200
12	17	62	1.1	-	7.7	-	-	-	-	.5	32	260	332	-	40	210	.3	593	*200
12	24	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15000
12	31	62	1.1	12.4	7.9	2.5	-	3.0	6.0	.4	37	224	308	10	50	204	.3	563	3400
1	7	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10000
1	8	63	1.1	10.0	8.0	2.5	-	-	-	.4	35	202	280	5	35	179	.3	579	-
1	14	63	1.1	-	7.7	-	-	4.0	6.0	.3	38	224	300	0	25	-	.1	-	500
1	17	63	1.1	10.8	8.0	2.5	-	3.6	5.6	.3	37	268	452	-	25	-	.1	-	-
1	21	63	.5	12.0	8.0	2.4	-	4.0	-	.3	39	280	336	10	25	-	.1	-	100
1	28	63	.6	-	7.9	-	-	4.6	6.0	.4	42	240	324	10	25	-	.0	-	*200
2	12	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4600
2	18	63	1.1	11.0	7.9	2.7	-	-	-	.5	23	208	238	10	95	-	.3	-	34000
2	22	63	1.1	10.0	7.8	3.9	-	4.5	5.5	.4	25	180	260	0	50	-	.4	-	-
2	25	63	3.3	11.7	7.8	2.5	-	4.0	6.5	.5	29	188	264	0	100	-	.3	-	6000
3	6	63	1.1	10.6	7.7	6.0	-	-	8.6	.5	19	150	206	30	3700	86	.5	325	-
3	13	63	2.2	9.0	7.8	3.5	-	5.0	8.6	.6	20	123	180	20	5000	86	.3	310	-
3	18	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	130000
3	20	63	4.4	9.3	7.8	6.0	-	-	-	.6	20	180	196	30	3300	102	.3	352	-
3	25	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	240000
3	27	63	5.5	7.4	7.7	6.2	-	-	-	.4	23	180	244	20	2400	96	.3	320	-
4	1	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	90000
4	4	63	11.6	7.8	7.8	3.2	-	3.5	5.0	.3	20	180	228	10	350	-	.1	-	-
4	8	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50000
4	9	63	12.2	8.1	7.7	2.1	-	3.0	5.0	.3	23	172	256	-	350	-	.0	-	-
4	15	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20000

NATIONAL WATER QUALITY NETWORK

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE MISSOURI
MAJOR BASIN MISSOURI RIVER
MINOR BASIN LOWER MISSOURI BELOW NIOBRARA RIVER
STATION LOCATION MISSOURI RIVER AT
ST. JOSEPH, MISSOURI 30

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
4	17	63	15.5	8.1	7.8	2.7	-	4.0	5.5	.3	24	168	268	-	256	132	.1	460	-
4	22	63	14.4	9.1	7.8	2.1	-	3.5	5.8	.4	32	184	272	-	210	157	.0	510	-
4	29	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	360000
5	5	63	13.3	8.0	7.6	2.4	-	-	-	-	27	176	236	-	3340	-	.0	-	-
5	6	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	380000
5	14	63	17.7	-	7.6	-	-	-	-	.4	27	150	210	-	5650	-	.1	-	-
5	20	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*100
5	21	63	15.5	8.2	7.6	3.0	-	-	-	.3	22	150	240	-	280	-	.1	-	-
5	27	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	70000
6	3	63	21.1	7.2	7.8	2.0	-	.3	6.0	.4	27	170	272	-	198	-	.0	-	-
6	10	63	23.3	6.2	7.8	2.0	-	.4	7.0	.3	25	160	210	-	2820	-	.1	-	83000
6	19	63	22.2	8.2	7.4	2.4	-	-	-	.3	25	168	240	20	3000	-	.0	-	-
6	24	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23000
6	27	63	25.6	5.8	7.4	3.2	-	-	-	.3	22	120	188	20	6000	-	.2	-	-
7	2	63	26.1	6.0	7.4	-	-	4.0	6.5	.3	27	146	210	-	1500	-	.0	-	35000
7	8	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	65000
7	10	63	26.1	5.6	7.8	4.5	-	-	-	.4	37	168	250	-	600	-	.1	-	-
7	22	63	26.1	6.2	7.6	3.2	-	3.5	6.0	.3	25	156	220	-	230	-	.0	-	20000
7	29	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19000
8	5	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12000
8	12	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26000
8	14	63	26.7	5.6	7.9	1.1	-	3.0	6.2	.1	25	160	232	10	900	-	.0	-	-
8	19	63	24.4	7.3	7.8	2.5	-	3.0	6.0	.1	27	176	250	20	206	-	.0	-	50000
8	26	63	24.4	7.0	7.9	2.5	-	-	-	.1	29	160	210	-	95	-	.0	-	10000
9	2	63	24.4	7.6	7.9	2.0	-	-	-	.1	19	168	200	-	220	-	.0	-	50000
9	9	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	90000
9	13	63	21.8	6.0	8.1	1.8	27	3.2	10.6	.2	20	148	185	10	200	156	.1	526	-
9	16	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33000
9	17	63	21.6	6.8	8.0	1.9	18	2.6	8.0	.1	21	156	232	-	350	171	.1	520	-
9	23	63	20.2	5.9	8.0	2.0	59	3.3	9.6	.2	22	142	238	-	150	171	.0	470	21000
9	30	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	120000

NATIONAL WATER QUALITY NETWORK

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE MISSOURI
MAJOR BASIN MISSOURI RIVER
MINOR BASIN LOWER MISSOURI BELOW NIOBRARA RIVER
STATION LOCATION MISSOURI RIVER AT
ST. JOSEPH, MISSOURI 30

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	7	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	70000
10	15	63	-	-	-	-	29	-	-	-	-	-	-	-	-	-	-	-	-
12	17	63	.5	-	7.7	-	-	-	-	-	-	304	352	0	*25	-	-	-	-
12	24	63	.5	-	7.6	-	-	-	-	-	-	254	316	0	*25	-	-	-	-
12	31	63	.3	-	7.7	-	-	-	-	-	-	200	264	0	*25	-	-	-	-
1	7	64	.4	-	7.7	-	-	-	-	-	-	192	244	1	*25	-	-	-	-
1	14	64	.5	-	7.7	-	-	-	-	-	-	202	264	1	*25	-	-	-	100
1	21	64	1.3	-	7.7	-	-	-	-	-	-	220	288	0	*25	-	-	-	1000
1	28	64	.5	-	7.7	-	-	-	-	-	-	204	244	0	47	-	-	-	920
2	4	64	2.9	-	7.7	-	-	-	-	-	-	188	238	0	70	-	-	-	46000
2	18	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11000
3	3	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21000
3	10	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10000
3	17	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43000

NATIONAL WATER QUALITY NETWORK

PLANKTON POPULATION

STATE MISSOURI
MAJOR BASIN MISSOURI RIVER
MINOR BASIN LOWER MISSOURI BELOW NIOBRARA RIVER
STATION LOCATION MISSOURI RIVER AT
ST. JOSEPH, MISSOURI 30

DATE OF SAMPLE			ALGAE (Number per milliliter)									INERT DIATOM SHELLS		MOST ABUNDANT ALGAE - Genera and Count Level per ml. (See text for Codes)																			
			TOTAL	BLUE-GREEN		GREEN		FLAGELLATED (Pigmented)		DIATOMS				1ST		2ND		3RD		4TH		5TH		6TH		7TH		8TH		9TH		10TH	
MONTH	DAY	YEAR		COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL
10	2	62	13900	250	40	2460	207	330	0	7990	2610	2480	660	71	6	38	4	68	3	24	2	88	2	82	2	25	2	51	1	81	1	3	1
10	15	62	5400	140	180	1220	0	270	0	1800	1760	1010	680	71	3	69	3	38	2	84	2	88	2	87	1	26	1	68	1	27	1	92	1
11	2	62	6000	0	0	750	0	370	0	3270	1570	910	330	71	4	68	3	88	3	38	2	69	2	51	2	87	1	24	1				
12	3	62	1400	0	20	70	0	20	0	900	380	470	630	71	3	87	1																
12	17	62	4100	0	0	0	0	440	0	3020	660	40	0	71	5	88	1	57	1	68	1	51	1										
1	7	63	2900	0	0	20	0	0	0	2590	270	220	340	71	4	68	1																
1	21	63	1000	0	0	0	0	20	200	700	90	20	20	71	3	65	1																
2	11	63	1000	0	20	0	0	40	40	340	550	110	550	71	2	88	1																
2	23	63	1400	0	0	20	0	0	130	440	810	40	310	77	2	71	2																
3	6	63	2100	0	0	0	0	80	0	340	1640	40	780																				
3	18	63	800	0	0	20	0	80	40	270	420	320	760																				
4	2	63	2800	0	0	40	0	240	90	1470	950	440	640	77	3	51	1																
4	15	63	7200	0	0	220	0	240	0	5960	770	1390	530	71	6	88	1	51	1														
5	6	63	2600	0	0	80	0	130	110	1010	1320	250	630	77	1																		
5	20	63	2300	0	0	370	0	70	0	880	950	290	590	77	2	38	1																
6	3	63	13300	40	250	4180	0	420	380	3930	4140	1340	1370	77	5	71	5	24	4	38	4	68	3	69	2	51	2	63	2	26	1	17	1
6	17	63	2900	0	20	480	0	90	110	790	1430	310	370	77	2	26	2																
7	8	63	–	–	–	–	–	–	–	–	–	–	–																				
7	15	63	–	–	–	–	–	–	–	–	–	–	–																				
8	5	63	3700	0	0	1030	0	310	0	2020	330	790	510	38	3	59	2																
8	19	63	3200	20	0	930	0	380	50	1310	520	1900	480	68	2	38	2	69	2	88	1	71	1	51	1								
9	2	63	–	–	–	–	–	–	–	–	–	–	–																				
9	16	63	4800	0	0	860	0	450	20	2260	1180	1090	700	38	2	51	2	69	1	84	1												

NATIONAL WATER QUALITY NETWORK

PLANKTON POPULATION

STATE MISSOURI
MAJOR BASIN MISSOURI RIVER
MINOR BASIN LOWER MISSOURI BELOW NIOBRARA RIVER
STATION LOCATION MISSOURI RIVER AT
ST. JOSEPH, MISSOURI 30

DATE OF SAMPLE			ALGAE (Number per milliliter)									INERT DIATOM SHELLS		MOST ABUNDANT ALGAE - Genera and Count Level per ml. (See text for Codes)																			
			TOTAL	BLUE-GREEN		GREEN		FLAGELLATED (Pigmented)		DIATOMS				1ST		2ND		3RD		4TH		5TH		6TH		7TH		8TH		9TH		10TH	
MONTH	DAY	YEAR		COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL
10	3	63	8300	0	20	2850	0	680	0	3460	1330	1920	680	38	4	71	4	68	4	25	3	88	3	69	3	51	2	87	1	24	1		
10	22	63	3400	50	0	1470	0	230	0	1460	230	3060	630	68	3	38	3	71	2	25	1	51	1										
11	7	63	3400	0	20	900	0	160	0	1670	630	1490	1280	71	3	68	2	38	1	88	1	25	1										
11	21	63	3100	0	0	180	0	50	0	2180	630	810	1010	68	2	88	1	71	1	87	1												
12	3	63	7000	0	0	230	0	180	0	5580	950	1330	1870	71	5	68	4	88	2	73	1												
12	17	63	2600	0	0	50	0	20	0	2480	50	90	0	71	4																		
1	7	64	1700	0	0	0	0	0	0	1650	60	140	0	71	3																		
2	4	64	2400	0	0	90	0	180	20	1690	410	250	470	71	4	68	1	51	1														
2	18	64	5900	0	0	180	0	380	160	4590	590	1280	1010	71	5	51	2																

NATIONAL WATER QUALITY NETWORK

PLANKTON POPULATION

STATE MISSOURI
MAJOR BASIN MISSOURI RIVER
MINOR BASIN LOWER MISSOURI BELOW NIOBRARA RIVER
STATION LOCATION MISSOURI RIVER AT
ST. JOSEPH, MISSOURI 030

DATE OF SAMPLE			DOMINANT SPECIES OF DIATOMS AND PERCENT OF TOTAL DIATOMS (See text for Codes)									FUNGI AND SHEATHED BACTERIA Number per ml.	PROTOZOA (Identifiable) Number per ml.	MICROINVERTEBRATES																			
			1ST		2ND		3RD		4TH		OTHER SPECIES PERCENT			ROTIFERS											CRUSTACEA							NEMATODES (Identifiable) Number per liter	OTHER ANIMAL FORMS (Number per liter)
														NUMBER PER LITER	GENERA AND COUNT LEVEL (See text for Codes)										NUMBER PER LITER	GENERA AND COUNT LEVEL (See text for Codes)							
															1ST		2ND		3RD		4TH		5TH			1ST		2ND		3RD			
MONTH	DAY	YEAR	SPECIES	PERCENT	SPECIES	PERCENT	SPECIES	PERCENT	SPECIES	PERCENT					GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL		GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL		
10	2	62	80	45	58	21	26	6	56	3	25	-	-	-											-							-	-
10	15	62	82	23	80	17	46	15	26	9	36	-	-	0											0							0	0
11	2	62	82	18	80	17	30	15	70	7	43	-	-	0											0							0	0
12	3	62	82	51	46	7	64	5	65	3	34	20	-	0											0							0	0
12	17	62	82	41	45	10	71	9	92	4	36	-	-	1											0							0	0
1	7	63	82	20	80	12	46	7	70	5	56	-	-	0											1							0	0
1	21	63	82	73	80	6	9	4	27	2	15	-	-	1											1							0	0
2	11	63	71	37	80	24	86	8	9	3	28	150	-	0											0							0	0
2	23	63	80	28	71	19	9	8	86	8	37	-	-	0											1							0	0
3	6	63										-	-	-											-							-	-
3	18	63										-	-	-											-							-	-
4	2	63										-	-	-											-							-	-
4	15	63	80	50	9	20	45	7	71	5	18	-	-	0											0							0	0
5	6	63										-	-	-											-							-	-
5	20	63										-	-	-											-							-	-
6	3	63	9	81	82	8	26	3	58	3	5	-	-	0											0							0	0
6	17	63										-	-	-											-							-	-
7	8	63										-	-	-											-							-	-
7	15	63										-	-	-											-							-	-
8	5	63										-	-	-											-							-	-
8	19	63	26	41	58	17	80	12	70	6	24	-	-	-											-							-	-
9	2	63										-	-	-											-							-	-
9	16	63										-	-	-											-							-	-

NATIONAL WATER QUALITY NETWORK

PLANKTON POPULATION

STATE	MISSOURI
MAJOR BASIN	MISSOURI RIVER
MINOR BASIN	LOWER MISSOURI BELOW NIOBRARA RIVER
STATION LOCATION	MISSOURI RIVER AT ST. JOSEPH, MISSOURI 030

DATE OF SAMPLE			DOMINANT SPECIES OF DIATOMS AND PERCENT OF TOTAL DIATOMS (See text for Codes)									FUNGI AND SHEATHED BACTERIA Number per ml.	MICROINVERTEBRATES																			
			1ST		2ND		3RD		4TH		OTHER SPECIES PERCENT		PROTOZOA (Identifiable) Number per ml.	ROTIFERS											CRUSTACEA							NEMATODES (Identifiable) Number per liter	OTHER ANIMAL FORMS (Number per liter)
														NUMBER PER LITER	GENERA AND COUNT LEVEL (See text for Codes)										NUMBER PER LITER	GENERA AND COUNT LEVEL (See text for Codes)							
															1ST		2ND		3RD		4TH		5TH			1ST		2ND		3RD			
MONTH	DAY	YEAR	SPECIES	PERCENT	SPECIES	PERCENT	SPECIES	PERCENT	SPECIES	PERCENT					GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL		GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL		
10	3	63	82	41	27	18	23	15	70	8	18	-	0	11	17	1									0							0	0
10	22	63	27	68	60	21	56	2	70	2	7	-	0	1											0							0	0
11	7	63	82	50	27	14	26	10	80	5	21	-	0	0											0							0	0
11	21	63	82	21	70	4	23	3	26	3	69	-	0	0											0							0	0
12	3	63	87	55	27	16	26	9	70	7	13	-	0	0											0							0	0
12	17	63	82	90	26	3					7	-	0	-											-							-	-
1	7	64	82	85	2	2	67	2	70	2	9	-	0	-	1-										0							0	0
2	4	64	82	58	27	5	80	4	40	4	29	-	0	-											0							0	0
2	18	64	82	78	70	2					20	-	0	-											6	76	2					0	0

NATIONAL WATER QUALITY NETWORK

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE MISSOURI
MAJOR BASIN MISSOURI RIVER
MINOR BASIN LOWER MISSOURI BELOW NIOBRARA RIVER
STATION LOCATION MISSOURI RIVER AT
ST. JOSEPH, MISSOURI 30

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES											
BEGINNING			END								NEUTRALS									
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
4	8	63	4	24	5000	125	31	94	1	9	11	1	2	8	0	3	2	1	4
5	1	63	5	11	5000	66	12	54	1	2	7	1	1	5	0	1	1	0	0
6	3	63	6	13	5041	96	35	61	2	10	9	1	1	7	0	4	4	1	5
7	2	63	7	12	5000	86	29	57	1	9	6	0	1	5	0	2	3	1	7
8	2	63	8	13	4959	93	30	63	1	10	9	1	1	6	1	4	2	0	4
9	3	63	9	19	5187	74	25	49	1	7	7	0	1	6	0	3	2	1	4

NATIONAL WATER QUALITY NETWORK

ORGANIC CHEMICALS
RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE MISSOURI
MAJOR BASIN MISSOURI RIVER
MINOR BASIN LOWER MISSOURI BELOW NIOBRARA RIVER
STATION LOCATION MISSOURI RIVER AT
ST. JOSEPH, MISSOURI 30

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES										
BEGINNING			END								NEUTRALS								
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	2	63	10	14	5000	79	25	54	1	7	7	1	1	5	0	3	2	1	4
11	4	63	11	18	5000	78	19	59	-	-	-	-	-	-	-	-	-	-	-
12	2	63	12	16	5000	95	15	80	-	-	-	-	-	-	-	-	-	-	-
1	1	64	1	15	5013	137	38	99	-	-	-	-	-	-	-	-	-	-	-

NATIONAL WATER QUALITY NETWORK

RADIOACTIVITY DETERMINATIONS

STATE MISSOURI
MAJOR BASIN MISSOURI RIVER
MINOR BASIN LOWER MISSOURI BELOW NIOBRARA RIVER
STATION LOCATION MISSOURI RIVER AT
ST. JOSEPH, MISSOURI 30

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER															RADIOACTIVITY IN PLANKTON					
			DATE OF DETERMINATION		ALPHA						BETA							DATE OF DETERMINATION		GROSS ACTIVITY			
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL					ALPHA		BETA	
MO.	DAY	YR.	MO.	DAY	pc/l	±	pc/l	±	pc/l	±	pc/l	±	pc/l	±	pc/l	±		MO.	DAY	pc/g	±	pc/g	±
10	2	62	11	1	–	–	–	–	–	–	25	20	21	16	46	26							
10	9	62	11	5	–	–	–	–	–	–	18	11	17	11	35	16							
10	15	62	11	14	–	–	–	–	–	–	12	16	32	15	44	22							
10	22	62	11	13	9	10	2	2	11	10	93	20	12	6	105	21							
10	29	62	11	21	–	–	–	–	–	–	27	18	41	17	68	25							
11	5	62	12	26	3	2	10	4	13	4	18	13	45	14	63	19							
12	24	62	1	23*	0	1	5	3	5	3	15	15	17	17	32	23							
1	28	63	2	20*	0	1	6	4	6	4	0	14	26	18	26	23							
2	18	63	3	27*	1	1	4	3	5	3	21	14	27	16	48	21							
3	25	63	4	18*	43	22	3	2	46	22	245	95	53	15	298	96							
4	29	63	5	20*	16	10	2	2	18	10	124	24	36	8	160	25							
5	27	63	6	17*	5	12	2	3	7	12	158	40	54	8	212	41							
6	25	63	7	23*	78	38	11	5	89	38	615	94	59	14	674	95							
7	29	63	9	9*	9	6	5	3	14	7	58	11	34	8	92	14							
8	26	63	9	20*	4	4	2	1	6	4	35	15	31	9	66	17							
9	30	63	10	22*	8	5	4	3	12	6	50	12	32	11	82	16							

NATIONAL WATER QUALITY NETWORK

RADIOACTIVITY DETERMINATIONS

STATE MISSOURI

MAJOR BASIN MISSOURI RIVER

MINOR BASIN LOWER MISSOURI BELOW NIOBRARA RIVER

STATION LOCATION MISSOURI RIVER AT

ST. JOSEPH, MISSOURI 30

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER																RADIOACTIVITY IN PLANKTON					
			DATE OF DETERMINATION		ALPHA						BETA								DATE OF DETERMINATION		GROSS ACTIVITY			
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL						ALPHA		BETA	
MO.	DAY	YR.	MO.	DAY	pc/l	±	pc/l	±	pc/l	±	pc/l	±	pc/l	±	µc/l	±			MO.	DAY	pc/g	±	pc/g	±
10	31	63	11	25*	3	2	2	3	5	4	18	11	18	11	36	16								
11	27	63	12	26*	3	1	5	2	8	2	13	3	26	4	39	5								
12	31	63	1	23*	1	0	4	2	5	2	3	2	20	6	23	6								
1	28	64	2	24*	0	2	4	4	4	4	2	2	20	3	22	4								

NATIONAL WATER QUALITY NETWORK

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE NEBRASKA
MAJOR BASIN MISSOURI RIVER
MINOR BASIN LOWER MISSOURI BELOW NIOBRARA RIVER
STATION LOCATION MISSOURI RIVER AT
OMAHA, NEBRASKA 31

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	1	62	15.0	8.3	8.2	1.0	18	2.5	6.8	.1	9	156	250	6	130	201	.1	515	10000
10	8	62	16.0	7.8	8.2	1.6	24	2.5	6.0	.0	12	152	252	11	210	212	.1	514	18000
10	15	62	19.1	7.8	8.2	1.9	17	3.2	6.5	.0	12	156	242	7	140	210	.2	508	10000
10	22	62	14.0	8.7	8.3	1.4	17	2.6	6.4	.0	11	156	256	8	140	220	.1	464	27000
10	29	62	10.1	9.5	8.2	1.2	21	2.6	7.0	.0	11	158	250	8	130	225	.1	498	40000
11	5	62	7.0	10.6	8.3	1.5	20	2.9	7.4	.0	10	154	252	7	130	222	-	542	*1100
11	12	62	6.8	10.6	8.3	1.2	18	2.6	6.8	.0	12	156	255	7	110	229	.1	528	60000
11	19	62	6.0	11.4	8.2	1.0	19	2.4	6.4	.0	11	157	260	9	100	236	-	541	10000
11	26	62	4.2	11.4	8.3	.9	17	2.6	6.4	.1	13	166	-	7	95	232	.1	557	50000
12	3	62	-	9.9	8.2	2.3	18	2.4	6.5	.0	14	196	310	7	110	220	.1	415	24000
12	10	62	.2	11.9	8.2	1.8	18	2.4	-	.1	14	203	320	7	100	245	.1	588	500
12	17	62	.2	11.8	8.1	2.1	54	3.1	5.0	.1	18	209	340	7	300	239	.1	581	-
12	24	62	.3	12.2	8.2	.9	18	2.5	6.0	.1	16	200	312	7	50	231	.1	599	-
12	31	62	.1	13.3	8.2	1.2	18	2.2	4.1	.1	15	190	312	7	10	237	.1	578	-
1	7	63	.1	12.2	8.2	2.1	14	2.5	5.8	.1	14	189	300	8	20	233	.1	562	7900
1	14	63	.1	12.5	8.1	1.0	17	2.5	3.9	.1	15	218	330	7	20	232	.1	582	100
1	21	63	.1	12.2	8.2	.7	18	2.4	4.5	.1	17	193	314	7	15	261	.1	630	4600
1	28	63	.1	12.1	8.1	1.1	15	2.4	5.8	.1	16	191	310	7	6	249	.1	596	6400
2	4	63	.1	11.2	8.1	1.2	12	2.8	5.9	.2	16	190	300	6	6	283	.1	595	7000
2	11	63	.1	10.0	8.1	1.5	20	3.3	6.8	.3	15	185	293	11	35	233	.1	549	-
2	18	63	.4	11.3	8.0	1.7	20	3.2	7.1	.2	18	202	326	7	50	241	.1	619	18000
2	25	63	.1	11.3	8.1	2.7	20	3.0	7.1	.2	16	202	310	9	35	205	.2	549	2300
3	4	63	.1	11.6	8.1	2.6	17	2.5	7.1	.2	15	198	305	8	55	207	-	530	11000
3	11	63	.1	10.1	8.0	7.2	54	3.1	7.0	.4	12	177	250	16	540	202	.2	432	63000
3	18	63	3.1	9.8	8.0	9.0	108	4.9	6.9	.5	12	180	250	21	1150	180	.2	411	10000
3	25	63	9.8	9.3	8.1	8.4	129	4.8	9.0	.3	11	174	240	11	1850	151	-	406	*110
4	1	63	11.5	9.6	8.1	3.2	24	3.0	6.8	.1	9	145	232	9	190	168	.1	412	-
4	2	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*110
4	8	63	12.8	9.0	8.2	1.9	26	2.4	-	.1	11	169	279	7	180	224	.1	544	-
4	15	63	11.6	9.3	8.3	1.5	22	2.1	4.8	.0	12	164	278	7	150	253	.0	580	-
4	22	63	10.4	9.6	8.3	1.8	21	2.1	6.1	.0	12	163	282	7	130	249	.0	573	29000
4	29	63	12.1	9.2	8.3	1.7	33	3.0	6.5	.0	13	172	290	7	300	250	.1	575	9000
5	6	63	15.7	8.7	8.3	2.0	27	2.9	6.8	.0	13	169	292	6	260	241	.1	577	300
5	13	63	15.0	8.0	8.1	5.1	59	3.0	6.5	.1	15	181	274	7	1400	243	.1	552	-
5	20	63	16.4	8.7	8.3	2.1	23	2.3	5.5	.0	13	170	290	8	110	254	.1	609	5000
5	27	63	16.3	8.3	8.3	1.5	16	2.2	-	.0	13	170	280	6	100	236	.1	583	4000
6	3	63	19.8	4.7	7.7	4.0	198	4.9	9.1	.1	8	124	190	13	4300	146	.1	332	100000
6	10	63	25.0	6.7	8.1	2.5	32	2.7	7.1	.0	14	174	275	8	290	234	.1	553	-
6	17	63	22.8	6.4	8.1	.8	19	2.0	4.9	.0	13	164	260	8	160	231	.1	498	14000

NATIONAL WATER QUALITY NETWORK

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE NEBRASKA
MAJOR BASIN MISSOURI RIVER
MINOR BASIN LOWER MISSOURI BELOW NIOBRARA RIVER
STATION LOCATION MISSOURI RIVER AT
OMAHA, NEBRASKA 31

DATE OF SAMPLE MONTH	DAY	YEAR	TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND 1-HOUR mg/l	CHLORINE DEMAND 24-HOUR mg/l	AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
6	24	63	22.2	7.5	8.3	1.6	23	2.2	6.5	.0	12	170	265	7	140	229	.1	557	22000
7	8	63	25.1	6.8	8.2	1.7	28	2.8	5.8	.0	12	180	250	8	380	238	.3	581	16000
7	15	63	24.0	6.5	8.1	1.0	20	2.8	6.7	.1	12	166	260	8	190	229	.1	566	11000
7	22	63	27.1	6.0	8.2	1.0	22	3.0	13.0	.0	12	165	255	7	160	230	.1	542	700
7	29	63	25.7	6.2	8.2	.8	20	4.0	10.2	.0	13	165	256	6	150	241	.1	569	-
8	5	63	25.0	6.5	8.2	1.4	19	4.0	10.0	.0	13	160	250	7	160	234	.1	549	2300
8	12	63	26.8	6.0	8.2	1.0	18	1.4	-	.0	13	158	246	7	140	227	.1	510	12000
8	19	63	21.9	7.0	8.2	1.1	19	2.0	12.0	.0	12	161	258	6	110	226	-	506	4500
8	26	63	[illegible].1	7.0	8.3	1.8	23	2.0	6.0	.0	11	163	250	7	120	232	.1	527	18000
9	2	63	22.4	7.0	8.2	1.2	18	1.5	5.8	.0	12	158	242	7	140	225	.1	527	10000
9	9	63	24.0	7.0	8.3	1.0	14	2.3	6.0	.0	14	159	245	7	95	227	.2	524	33000
9	16	63	19.5	7.5	8.3	1.0	13	2.0	5.0	.0	12	157	245	5	110	214	.1	517	3800
9	23	63	19.1	7.5	8.3	1.0	15	1.9	4.9	.0	12	157	246	5	170	233	.1	517	6700
9	30	63	18.4	7.4	8.3	1.2	15	2.1	5.4	.0	13	160	244	6	120	-	.1	530	30000

NATIONAL WATER QUALITY NETWORK

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE NEBRASKA
MAJOR BASIN MISSOURI RIVER
MINOR BASIN LOWER MISSOURI BELOW NIOBRARA RIVER
STATION LOCATION MISSOURI RIVER AT
OMAHA, NEBRASKA 31

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	7	63	18.6	7.5	8.3	1.0	30	2.0	5.0	.0	11	157	242	5	90	220	.1	476	2200
10	14	63	17.9	7.8	8.3	1.1	15	2.0	6.0	.0	12	150	245	6	110	221	.1	503	35000
10	21	63	17.9	7.8	8.3	.8	15	2.0	7.0	.0	11	148	242	7	100	221	.1	507	16000
10	28	63	14.8	8.4	8.3	1.1	24	2.0	6.0	.0	12	145	246	7	110	226	.0	517	7000
11	4	63	10.0	9.6	8.4	1.0	18	2.0	5.0	.0	13	147	247	7	110	222	.0	520	14000
11	11	63	10.0	10.0	8.3	1.1	13	2.2	5.0	.1	12	149	251	5	95	238	.1	520	9700
11	18	63	7.5	10.7	8.3	1.0	14	2.0	5.0	.0	11	152	253	7	100	230	.1	524	6000
11	25	63	3.8	12.0	8.4	1.0	29	2.0	5.5	.1	14	158	258	7	90	232	.1	503	15000
12	2	63	2.3	12.3	8.2	.9	17	2.5	5.3	.1	14	184	285	8	100	218	.2	565	5000
12	9	63	1.0	12.8	8.3	2.0	17	2.8	5.4	.1	13	188	285	7	100	216	.1	547	21000
12	16	63	.1	13.4	8.0	1.3	13	2.3	4.6	.2	16	201	310	5	*25	247	.3	598	1000
12	22	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4000
12	23	63	.0	13.5	8.2	1.4	11	1.7	4.1	.1	12	180	282	5	*25	233	.2	554	-
12	30	63	.1	12.3	8.2	1.3	10	1.4	4.8	.1	13	175	276	5	*25	228	.1	547	400
1	6	64	.2	12.1	8.2	1.7	17	1.8	5.3	.2	15	179	285	6	*25	225	.1	551	2500
1	13	64	.1	11.8	8.0	1.3	23	2.8	5.2	.2	15	200	310	4	*25	240	.3	581	2600
1	20	64	.1	10.8	8.1	1.4	30	2.2	5.6	.2	14	185	292	6	*25	231	.1	547	1000
1	27	64	.0	11.8	8.1	1.7	18	2.5	6.1	.3	15	178	273	6	*25	207	.0	540	1000
2	3	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100
2	10	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2000
2	17	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1500
2	24	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3000
3	2	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2300
3	9	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2000
3	16	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30000

NATIONAL WATER QUALITY NETWORK

PLANKTON POPULATION

STATE NEBRASKA
MAJOR BASIN MISSOURI RIVER
MINOR BASIN LOWER MISSOURI BELOW NIOBRARA RIVER
STATION LOCATION MISSOURI RIVER AT
OMAHA, NEBRASKA 31

DATE OF SAMPLE			ALGAE (Number per milliliter)									INERT DIATOM SHELLS		MOST ABUNDANT ALGAE - Genera and Count Level per ml. (See text for Codes)																			
			TOTAL	BLUE-GREEN		GREEN		FLAGELLATED (Pigmented)		DIATOMS				1ST		2ND		3RD		4TH		5TH		6TH		7TH		8TH		9TH		10TH	
MONTH	DAY	YEAR		COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL
10	1	62	5600	70	70	1090	317	610	0	3050	380	320	110	71	4	68	3	24	2	50	2	38	1	51	1	57	1	25	1				
10	18	62	3300	40	110	400	0	330	0	2120	290	400	130	69	4	71	2	51	1														
11	5	62	2100	20	50	200	0	20	0	1600	200	230	160	71	4	69	1																
11	20	62	2000	0	100	80	0	190	0	1330	290	80	40	71	3	68	2																
12	3	62	3400	0	70	160	0	160	590	2340	110	720	110	71	4	62	2																
12	17	62	1000	0	0	40	0	40	0	790	80	0	0	71	3																		
1	7	63	1100	0	0	20	0	90	0	880	90	130	40	71	3																		
1	21	63	400	0	0	0	0	20	0	220	110	0	0	71	1																		
2	4	63	400	0	0	0	0	0	0	200	200	0	0	71	1	77	1																
2	18	63	3100	0	80	60	0	130	270	1050	1510	110	130	77	4	71	3	65	1														
3	4	63	7800	0	40	0	0	440	380	3990	2930	900	530	71	5	77	5	51	2	65	1	88	1										
3	18	63	4800	0	0	110	0	110	240	1390	2990	90	900	77	4																		
4	1	63	5100	0	0	20	0	570	220	3170	1080	900	310	71	5	77	3	51	1	52	1	64	1										
4	15	63	9400	40	320	280	0	270	1260	3910	3300	710	650	71	5	77	5	63	4	86	2	17	2	51	1								
5	6	63	5900	0	20	330	0	240	20	1910	3320	900	200	77	5	71	4	88	1	97	1	38	1										
5	20	63	8300	0	190	1640	0	360	420	4580	1130	820	170	71	5	77	4	38	2	24	2	63	2	51	2	26	1						
6	17	63	700	0	20	90	0	0	0	200	420	130	240	77	1	84	1																
7	1	63	4200	0	0	250	0	20	0	3560	330	430	310	71	5	69	3	68	2														
7	15	63	4000	40	0	790	0	200	0	2420	530	1120	200	71	4	38	2	69	1	68	1												
8	5	63	3200	50	30	1130	30	50	0	1550	370	2120	620	71	3	38	3	68	2	25	1	88	1										
8	19	63	2200	0	0	790	0	410	0	600	350	410	210	38	2	55	2	68	1	87	1	71	1										
9	2	63	3000	40	0	1640	0	350	0	370	580	430	710	34	3	38	2	88	2	69	1	25	1	55	1								
9	16	63	1200	0	20	180	0	340	0	380	290	110	20	51	1	55	1																

NATIONAL WATER QUALITY NETWORK

PLANKTON POPULATION

STATE NEBRASKA
MAJOR BASIN MISSOURI RIVER
MINOR BASIN LOWER MISSOURI BELOW NIOBRARA RIVER
STATION LOCATION MISSOURI RIVER AT
OMAHA, NEBRASKA 31

DATE OF SAMPLE			ALGAE (*Number per milliliter*)										INERT DIATOM SHELLS		MOST ABUNDANT ALGAE - *Genera and Count Level per ml. (See text for Codes)*																			
			TOTAL	BLUE-GREEN		GREEN		FLAGELLATED (*Pigmented*)		DIATOMS					1ST		2ND		3RD		4TH		5TH		6TH		7TH		8TH		9TH		10TH	
MONTH	DAY	YEAR		COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	OTHER	CENTRIC	PENNATE		CENTRIC	PENNATE	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL
10	7	63	5200	110	0	1890	0	250	0	2410	560		1060	320	71	4	38	3	68	2	25	2	87	1	51	1	88	1						
10	21	63	1900	0	0	260	0	230	0	1240	200		500	320	71	3	68	2																
11	4	63	2700	0	0	790	0	90	0	1350	450		740	180	71	3	38	2	68	2	88	1												
11	18	63	1300	0	0	120	0	20	0	970	230		230	100	71	3	68	1																
12	1	63	6700	0	0	140	0	70	0	6230	200		500	160	71	5	68	4																
12	16	63	3300	0	0	70	0	20	0	3200	20		90	0	71	5																		
1	6	64	1700	0	0	0	0	20	0	1580	90		90	0	71	4																		
2	3	64	1100	0	0	70	0	70	50	920	50		20	0	71	3																		
2	17	64	4000	0	0	50	0	410	90	3440	70		90	20	71	5	51	2																

NATIONAL WATER QUALITY NETWORK

PLANKTON POPULATION

STATE NEBRASKA

MAJOR BASIN MISSOURI RIVER

MINOR BASIN LOWER MISSOURI BELOW NIOBRARA RIVER

STATION LOCATION MISSOURI RIVER AT

OMAHA, NEBRASKA 031

DATE OF SAMPLE MONTH	DATE OF SAMPLE DAY	DATE OF SAMPLE YEAR	DOMINANT SPECIES OF DIATOMS AND PERCENT OF TOTAL DIATOMS (See text for Codes) 1ST SPECIES	1ST PERCENT	2ND SPECIES	2ND PERCENT	3RD SPECIES	3RD PERCENT	4TH SPECIES	4TH PERCENT	OTHER SPECIES PERCENT	FUNGI AND SHEATHED BACTERIA Number per ml.	PROTOZOA (Identifiable) Number per ml.	MICROINVERTEBRATES ROTIFERS NUMBER PER LITER	ROTIFERS GENERA AND COUNT LEVEL (See text for Codes) 1ST GENUS	1ST COUNT LEVEL	2ND GENUS	2ND COUNT LEVEL	3RD GENUS	3RD COUNT LEVEL	4TH GENUS	4TH COUNT LEVEL	5TH GENUS	5TH COUNT LEVEL	CRUSTACEA NUMBER PER LITER	CRUSTACEA GENERA AND COUNT LEVEL (See text for Codes) 1ST GENUS	1ST COUNT LEVEL	2ND GENUS	2ND COUNT LEVEL	3RD GENUS	3RD COUNT LEVEL	NEMATODES (Identifiable) Number per liter	OTHER ANIMAL FORMS (Number per liter)
10	1	62	36	23	65	21	92	14	64	5	37	-	-	0											0							0	0
10	18	62	61	47	80	33	58	5	82	3	12	20	-	0											0							0	0
11	5	62	80	65	32	14	36	5	83	3	13	-	-	0											1							0	0
11	20	62	80	48	26	11	82	9	36	5	27	-	-	0											0							0	0
12	3	62	82	80	80	6	26	3	71	3	8	-	-	0											0							0	0
12	17	62	82	79	80	6	26	3	71	2	10	-	-	0											0							0	0
1	7	63	82	53	80	25	9	5	71	2	15	-	-	0											3							0	0
1	21	63	9	65	82	23	80	7	26	1	4	-	-	0											0							0	0
2	4	63	9	53	82	22	80	21	71	1	3	-	-	0											2							0	0
2	18	63	9	70	82	17	80	9	70	1	3	-	-	0											1							0	0
3	4	63	9	66	80	20	82	12	71	1	1	-	-	0											0							0	0
3	18	63										-	-	-											-							-	-
4	1	63	9	46	80	23	36	3	46	3	25	-	-	1											2							0	0
4	15	63	9	56	80	27	82	11	71	3	3	-	-	0											4	76	1					0	0
5	6	63	9	41	80	33	82	17	35	2	7	-	-	15	17	1	11	1							2							0	0
5	20	63	9	60	82	18	80	18	26	1	3	-	-	0											0							0	0
6	17	63	9	42	47	30	80	9	58	4	15	-	-	0											0							0	0
7	1	63	80	64	58	16	26	9	27	3	8	-	-	1											1							0	0
7	15	63	80	63	82	11	58	8	26	7	11	-	-	-											-							-	-
8	5	63	80	36	58	28	26	18	56	7	11	-	-	0											0							0	0
8	19	63	26	32	58	29	80	18	82	4	17	-	-	0											0							0	0
9	2	63	56	66	58	10	82	7	26	7	10	-	-	0											0							0	0
9	16	63	58	40	82	14	26	5	70	5	36	-	-	0											0							0	0

NATIONAL WATER QUALITY NETWORK

PLANKTON POPULATION

STATE NEBRASKA
MAJOR BASIN MISSOURI RIVER
MINOR BASIN LOWER MISSOURI BELOW NIOBRARA RIVER
STATION LOCATION MISSOURI RIVER AT
OMAHA, NEBRASKA 031

DATE OF SAMPLE			DOMINANT SPECIES OF DIATOMS AND PERCENT OF TOTAL DIATOMS *(See text for Codes)*									FUNGI AND SHEATHED BACTERIA *Number per ml.*	PROTOZOA *(Identifiable) Number per ml.*	MICROINVERTEBRATES																		NEMATODES *(Identifiable) Number per liter*	OTHER ANIMAL FORMS *(Number per liter)*
			1ST		2ND		3RD		4TH		OTHER SPECIES PERCENT			ROTIFERS											CRUSTACEA								
														NUMBER PER LITER	GENERA AND COUNT LEVEL *(See text for Codes)*										NUMBER PER LITER	GENERA AND COUNT LEVEL *(See text for Codes)*							
															1ST		2ND		3RD		4TH		5TH			1ST		2ND		3RD			
MONTH	DAY	YEAR	SPECIES	PERCENT	SPECIES	PERCENT	SPECIES	PERCENT	SPECIES	PERCENT					GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL		GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL		
10	7	63	80	35	82	18	26	14	58	6	27	-	0	0											0							0	0
10	21	63	80	39	27	23	82	14	23	6	18	-	0	12	21	1									0							0	0
11	4	63	82	61	23	16	26	9	70	5	9	-	0	0											0							0	0
11	18	63	82	65	23	19	26	5			11	-	0	0											0							0	0
12	1	63	82	64	26	27	80	2			7	-	0	0											1							0	0
12	16	63	82	96	26	3					1	-	0	-											6	50	2					0	0
1	6	64	82	95	26	1					4	-	0	-	61	1	1-								15	76	2	50	2			0	0
2	3	64	82	95	92	3					2	-	0	-											0							0	0
2	17	64	82	88	89	2	67	2			8	-	0	-	1	7	1-								9	76	2					0	0

NATIONAL WATER QUALITY NETWORK

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE NEBRASKA
MAJOR BASIN MISSOURI RIVER
MINOR BASIN LOWER MISSOURI BELOW NIOBRARA RIVER
STATION LOCATION MISSOURI RIVER AT
OMAHA, NEBRASKA 31

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES										
BEGINNING			END			TOTAL	CHLOROFORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	NEUTRALS					WEAK ACIDS	STRONG ACIDS	BASES	LOSS
MONTH	DAY	YEAR	MONTH	DAY							TOTAL	ALIPHATICS	AROMATICS	OXYGENATED COMPOUNDS	LOSS				
10	22	62	11	5	4640	127	19	108	0	5	8	1	1	6	0	2	1	1	2
11	19	62	12	3	4920	132	24	108	0	5	10	1	1	8	0	4	1	1	3
12	17	62	12	31	5040	164	23	141	0	6	10	1	1	8	0	3	1	0	3
1	14	63	1	28	4950	181	35	146	-	-	-	-	-	-	-	-	-	-	-
2	11	63	2	25	4928	148	32	116	1	9	10	0	1	8	1	4	2	1	5
3	11	63	3	25	4920	252	75	177	-	-	-	-	-	-	-	-	-	-	-
4	8	63	4	22	4800	98	26	72	1	7	10	2	1	7	0	3	1	1	3
5	6	63	5	20	3790	120	47	73	-	-	-	-	-	-	-	-	-	-	-
6	3	63	6	17	4077	120	48	72	3	15	11	1	1	9	0	5	5	1	8
7	1	63	7	15	4537	119	41	78	-	-	-	-	-	-	-	-	-	-	-
7	29	63	8	12	4852	103	34	69	1	13	10	1	1	8	0	4	2	2	2
8	26	63	9	9	4568#	121	32	89	-	-	-	-	-	-	-	-	-	-	-
9	23	63	10	7	4425	119	19	100	0	5	7	0	1	6	0	2	1	1	3

ESTIMATED

NATIONAL WATER QUALITY NETWORK

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE	NEBRASKA
MAJOR BASIN	MISSOURI RIVER
MINOR BASIN	LOWER MISSOURI BELOW NIOBRARA RIVER
STATION LOCATION	MISSOURI RIVER AT OMAHA, NEBRASKA 31

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES										
BEGINNING			END								NEUTRALS								
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	21	63	11	4	4779	100	23	77	-	-	-	-	-	-	-	-	-	-	-
11	4	63	11	18	4862	82	18	64	-	-	-	-	-	-	-	-	-	-	-
12	2	63	12	16	4800	151	31	120	-	-	-	-	-	-	-	-	-	-	-
1	6	64	1	20	4177	181	34	147	-	-	-	-	-	-	-	-	-	-	-
2	3	64	2	7	1399	326	48	278	-	-	-	-	-	-	-	-	-	-	-

NATIONAL WATER QUALITY NETWORK

RADIOACTIVITY DETERMINATIONS

STATE NEBRASKA
MAJOR BASIN MISSOURI RIVER
MINOR BASIN LOWER MISSOURI BELOW NIOBRARA RIVER
STATION LOCATION MISSOURI RIVER AT
OMAHA, NEBRASKA 31

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER														RADIOACTIVITY IN PLANKTON					
			DATE OF DETERMINATION		ALPHA						BETA						DATE OF DETERMINATION		GROSS ACTIVITY			
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL				ALPHA		BETA	
MO.	DAY	YR.	MO.	DAY	pc/l	±	pc/l	±	pc/l	±	pc/l	±	pc/l	±	pc/l	±	MO.	DAY	pc/g	±	pc/g	±
10	1	62	10	25	-	-	-	-	-	-	9	15	21	16	30	22						
10	8	62	11	2	-	-	-	-	-	-	19	17	30	16	49	23						
10	15	62	11	14	-	-	-	-	-	-	1	15	37	16	38	22						
10	22	62	11	13	1	2	1	2	1	3	66	7	21	6	87	9						
10	29	62	11	23	-	-	-	-	-	-	11	10	24	11	35	15						
11	26	62	12	21*	2	2	4	3	6	4	13	14	22	16	35	21						
12	31	62	1	21*	2	3	7	4	9	4	14	9	26	9	40	13						
1	28	63	2	19*	0	1	3	3	3	3	1	14	23	18	24	22						
2	25	63	3	22*	0	1	4	3	4	3	5	7	26	10	31	12						
3	25	63	4	15*	7	3	34	26	41	26	303	52	64	9	367	53						
4	29	63	5	17*	7	4	6	3	13	5	60	19	36	16	96	25						
5	27	63	6	17*	5	6	2	2	7	6	152	23	39	8	191	24						
6	24	63	7	23*	47	26	6	4	53	26	156	118	49	14	205	119						
7	31	63	8	19*	2	3	4	3	6	4	24	8	36	8	60	11						
8	26	63	9	23*	0	2	6	4	6	4	22	8	39	8	61	11						
9	30	63	10	22*	9	4	4	4	13	6	27	10	30	11	57	15						

NATIONAL WATER QUALITY NETWORK

RADIOACTIVITY DETERMINATIONS

STATE NEBRASKA
MAJOR BASIN MISSOURI RIVER
MINOR BASIN LOWER MISSOURI BELOW NIOBRARA RIVER
STATION LOCATION MISSOURI RIVER AT
OMAHA, NEBRASKA 31

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER															RADIOACTIVITY IN PLANKTON					
			DATE OF DETERMINATION		ALPHA						BETA							DATE OF DETERMINATION		GROSS ACTIVITY			
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL					ALPHA		BETA	
MO.	DAY	YR.	MO.	DAY	pc/l	±	pc/l	±	pc/l	±	pc/l	±	pc/l	±	pc/l	±		MO.	DAY	pc/g	±	pc/g	±
10	28	63	11	27*	3	2	7	3	10	4	16	12	26	13	42	18							
11	25	63	12	26*	1	1	3	2	4	2	8	2	22	3	30	4							
12	30	63	1	23*	0	0	6	2	6	2	2	2	25	7	27	7							
1	27	64	2	19*	0	0	2	2	2	2	4	2	20	6	24	6							
[illegible]	24	64	3	15*	1	1	4	4	5	4	3	1	21	3	24	3							

NATIONAL WATER QUALITY NETWORK

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE NEBRASKA
MAJOR BASIN MISSOURI RIVER
MINOR BASIN LOWER MISSOURI BELOW NIOBRARA RIVER
STATION LOCATION PLATTE RIVER ABOVE
PLATTSMOUTH, NEBRASKA 86

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	2	62	15.0	10.0	8.0	2.4	63	-	-	.5	152	156	184	-	129	96	.8	492	-
10	9	62	17.0	9.4	7.9	3.6	56	-	-	.3	56	156	176	-	389	72	1.0	322	-
10	16	62	16.0	10.5	8.3	3.6	44	-	-	.3	90	168	184	-	149	83	.8	428	-
10	23	62	12.0	10.5	7.9	1.8	47	-	-	.1	48	160	180	-	187	90	.6	388	-
11	6	62	7.0	12.3	8.2	2.4	20	-	-	.1	72	164	200	-	119	78	.8	448	-
11	20	62	5.0	12.5	8.0	3.6	35	-	-	.4	68	172	200	-	176	83	.8	456	-
11	27	62	8.0	11.8	7.8	1.2	35	-	-	.6	66	168	200	-	145	92	.8	444	-
12	11	62	3.0	12.8	7.9	1.8	22	-	-	1.6	74	208	240	-	47	114	.9	548	-
12	18	62	4.0	12.0	8.0	-	40	-	-	.7	130	204	224	-	40	99	1.0	-	-
12	24	62	3.0	13.6	7.7	-	28	-	-	.6	54	176	204	-	136	90	.7	248	-
1	2	63	3.0	13.1	7.7	1.2	32	-	-	.8	90	208	228	-	57	79	.9	460	-
1	8	63	4.0	13.2	7.6	1.8	24	-	-	.7	68	180	204	-	48	90	.7	354	-
1	15	63	3.0	12.2	7.9	1.5	43	-	-	.9	108	228	256	-	14	95	1.0	608	-
1	28	63	4.0	7.2	7.3	.9	34	-	-	1.0	94	212	240	-	17	118	1.1	564	-
2	18	63	3.0	10.5	7.3	1.5	51	-	-	.9	78	168	232	-	168	65	.7	402	-
2	26	63	2.0	12.5	7.2	1.2	17	-	-	.9	76	180	208	-	56	59	.8	418	-
3	6	63	3.0	12.5	7.3	1.8	59	-	-	1.5	36	136	164	-	240	63	1.2	318	-
3	12	63	3.0	11.0	7.1	9.0	210	-	-	.4	44	112	132	-	2835	51	.7	408	-
3	19	63	6.0	11.2	7.3	9.9	190	-	-	.5	66	160	192	-	1040	82	.6	454	-
4	16	63	17.0	10.0	4.1	1.8	36	-	-	.3	66	172	204	-	168	54	.5	422	-
4	23	63	10.0	10.5	8.3	2.1	39	-	-	.4	62	176	200	-	104	64	.7	430	-
4	30	63	12.0	10.3	7.8	2.1	43	-	-	1.1	68	172	192	-	200	37	.5	390	-
5	14	63	24.0	9.4	8.3	4.2	40	-	-	.1	88	188	200	-	128	34	.9	482	-
5	21	63	17.0	9.4	7.9	3.0	44	-	-	.8	62	172	180	-	236	30	.7	302	-
5	28	63	19.0	8.1	7.7	3.0	48	-	-	.8	101	188	196	-	192	32	.8	382	-
6	4	63	29.0	8.4	8.1	6.9	82	-	-	.4	82	176	188	-	232	34	1.3	402	-
6	11	63	25.0	7.8	7.5	3.6	70	-	-	.8	92	152	188	-	532	55	.8	534	-
6	18	63	28.0	8.2	8.4	3.6	57	-	-	.7	92	168	180	-	264	35	1.4	412	-
6	25	63	25.0	6.6	6.9	7.8	-	-	-	.1	29	64	56	-	6200	14	.6	192	-
7	3	63	27.0	7.0	8.0	4.5	59	-	-	1.0	64	184	188	-	316	59	1.5	392	-
7	16	63	32.0	8.8	7.8	3.6	48	-	-	.2	94	96	156	-	168	27	1.7	522	-
7	23	63	32.0	7.9	8.4	2.4	64	-	-	.5	158	204	220	-	116	39	2.1	496	-
7	30	63	25.0	8.3	8.2	5.7	64	-	-	.3	220	220	244	-	56	47	2.0	712	-
8	6	63	28.0	8.4	7.6	2.1	58	-	-	1.2	134	180	180	-	196	31	1.5	490	-
8	13	63	26.0	9.0	8.3	3.0	54	-	-	1.1	128	164	156	-	212	28	1.5	448	-
8	22	63	25.0	8.7	8.6	6.3	58	-	-	1.1	206	196	212	-	96	42	1.5	652	-
9	3	63	26.0	7.5	7.4	6.0	68	-	-	1.5	156	148	112	-	736	26	1.6	456	-
9	9	63	28.0	7.8	8.2	4.8	67	-	-	.5	114	140	140	-	284	24	1.1	422	-
9	17	63	23.0	8.0	7.3	3.3	63	-	-	.8	82	148	156	-	592	28	.8	302	-
9	23	63	18.0	9.1	7.6	3.0	67	-	-	.3	100	140	142	-	652	29	.6	380	-

NATIONAL WATER QUALITY NETWORK

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE NEBRASKA
MAJOR BASIN MISSOURI RIVER
MINOR BASIN LOWER MISSOURI BELOW NIOBRARA RIVER
STATION LOCATION PLATTE RIVER ABOVE
PLATTSMOUTH, NEBRASKA 86

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	15	63	21.0	9.2	8.5	2.4	30	-	-	.3	-	184	192	-	196	42	1.8	458	-
10	22	63	22.0	10.6	7.9	4.9	65	-	-	.1	250	192	-	-	396	34	1.7	628	-
10	29	63	21.0	10.0	7.8	3.4	60	-	-	.4	104	180	208	-	416	53	1.6	524	-
11	4	63	11.0	10.5	7.5	5.4	32	-	-	.4	98	180	228	-	124	46	1.7	474	-
11	12	63	8.0	9.8	8.0	3.0	36	-	-	.4	64	172	188	-	368	42	1.7	444	-
11	19	63	7.0	11.9	7.6	1.5	8	-	-	.1	80	172	176	-	148	37	1.2	580	-
11	26	63	5.0	11.6	7.4	.9	27	-	-	1.5	50	156	160	-	152	38	1.2	478	-
12	4	63	2.0	8.7	7.2	1.5	30	-	-	.3	64	208	-	-	140	46	-	428	-
12	11	63	2.0	11.2	7.9	4.5	51	-	-	.9	208	284	288	-	*25	62	1.5	736	-
12	24	63	2.0	9.0	7.9	1.4	28	-	-	.5	120	256	244	-	*25	46	.9	566	-
1	2	64	2.0	12.5	7.4	.9	24	-	-	.1	-	360	400	-	46	80	.8	524	-
1	7	64	2.0	11.8	7.5	.5	15	-	-	.9	70	328	282	-	40	40	1.1	420	-
1	14	64	2.0	8.7	7.8	1.2	46	-	-	.9	86	200	204	-	28	45	.8	446	-
1	24	64	2.0	9.8	7.3	4.4	20	-	-	.2	80	184	200	-	28	103	.2	-	-
2	3	64	2.0	13.2	7.3	1.8	36	-	-	.1	68	160	152	-	70	78	1.1	416	-
2	11	64	10.0	13.6	7.2	1.7	28	-	-	.1	68	156	136	-	60	74	.8	378	-
2	17	64	3.0	13.2	8.1	5.1	27	-	-	1.1	74	156	112	-	100	74	.7	408	-
2	26	64	3.0	10.6	7.5	1.2	12	-	-	1.3	84	180	160	-	86	83	.8	468	-
3	4	64	8.0	10.0	7.5	2.8	38	-	-	.7	64	192	128	-	246	68	.8	366	-
3	10	64	2.0	9.5	7.6	2.7	37	-	-	1.8	72	156	140	-	143	86	.9	450	-

NATIONAL WATER QUALITY NETWORK

PLANKTON POPULATION

STATE NEBRASKA
MAJOR BASIN MISSOURI RIVER
MINOR BASIN LOWER MISSOURI BELOW NIOBRARA RIVER
STATION LOCATION PLATTE RIVER ABOVE
PLATTSMOUTH, NEBRASKA 86

DATE OF SAMPLE			ALGAE (Number per milliliter)									INERT DIATOM SHELLS		MOST ABUNDANT ALGAE - Genera and Count Level per ml. (See text for Codes)																			
			TOTAL	BLUE-GREEN		GREEN		FLAGELLATED (Pigmented)		DIATOMS				1ST		2ND		3RD		4TH		5TH		6TH		7TH		8TH		9TH		10TH	
MONTH	DAY	YEAR		COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL
10	2	62	68100	460	0	10020	497	1410	290	26500	28940	6960	4390	68	7	38	6	84	5	25	4	51	4	69	3	71	3	88	3	50	2	24	2
10	16	62	57600	1040	0	10930	0	1530	0	29480	14610	5590	3730	34	8	38	6	87	6	88	6	71	5	69	5	68	4	25	4	92	4	83	4
11	6	62	3300	20	90	700	0	70	0	860	1530	1100	3060	38	2	71	2	87	1	88	1	97	1	69	1	84	1	69	1				
11	20	62	14800	0	120	250	0	170	0	2030	12210	620	2280	88	5	87	4	71	4	82	4	99	3	85	3	79	3	84	3	98	3	83	3
12	4	62	15700	0	0	2860	0	80	0	4020	8760	620	3110	38	4	68	4	71	4	88	4	91	3	97	3	92	3	24	3	80	2	87	2
12	18	62	300	0	20	110	0	0	0	70	130	150	530																				
1	8	63	300	0	0	40	0	0	0	70	200	70	350																				
1	22	63	200	0	0	20	0	30	0	40	70	0	220																				
2	4	63	200	0	0	0	0	50	0	50	90	20	310																				
2	18	63	800	0	0	20	0	70	40	0	660	70	1340	88	1																		
3	6	63	700	0	0	0	0	180	20	40	460	40	730																				
3	19	63	1000	0	0	0	0	110	0	130	800	230	1530	84	1																		
4	2	63	8800	0	380	1110	0	1010	710	800	4770	760	3040	51	3	84	3	88	3	62	2	98	2	97	2	87	2	17	2	38	2	55	2
4	16	63	18200	210	210	2770	0	2140	250	8820	3820	7010	5630	71	6	68	3	51	3	24	3	38	3	84	3	65	3	52	2	97	2	98	2
5	7	63	8900	0	0	4120	20	440	190	950	3150	690	1910	24	5	38	3	84	2	51	2	69	1										
5	21	63	40900	180	220	31170	0	370	0	4290	4690	4800	5100	24	7	38	7	84	5	71	5	25	4	88	3	68	2	26	2	92	2	51	1
6	4	63	64400	1550	1970	36710	0	1720	0	11510	10960	9070	8530	24	7	38	7	71	6	68	5	88	5	26	5	25	5	17	4	82	3	87	3
6	18	63	22600	0	250	9110	0	630	0	5720	6890	1240	2920	24	5	38	5	71	5	68	5	84	4	88	4	87	3	27	3	92	2	51	2
8	6	63	14100	190	40	3540	20	330	20	4140	5800	2170	2190	38	4	69	3	24	2	32	1	25	1	35	1	37	1						
8	21	63	79400	1630	690	37630	0	130	0	30010	9290	6580	6280	38	5	25	4	31	3	34	3	35	3	44	3	3	3	11	3	2	2	30	2
9	3	63	-	-	-	-	-	-	-	-	-	-	-																				
9	17	63	18300	0	20	11820	0	540	0	3220	2750	1690	5630	38	6	25	4	24	4	84	2	35	1	31	1	45	1	30	1	37	1	29	1

NATIONAL WATER QUALITY NETWORK

PLANKTON POPULATION

STATE NEBRASKA
MAJOR BASIN MISSOURI RIVER
MINOR BASIN LOWER MISSOURI BELOW NIOBRARA RIVER
STATION LOCATION PLATTE RIVER ABOVE
PLATTSMOUTH, NEBRASKA 66

DATE OF SAMPLE			ALGAE (Number per milliliter)											INERT DIATOM SHELLS		MOST ABUNDANT ALGAE - Genera and Count Level per ml. (See text for Codes)																			
			TOTAL	BLUE-GREEN		GREEN		FLAGELLATED (Pigmented)		DIATOMS						1ST		2ND		3RD		4TH		5TH		6TH		7TH		8TH		9TH		10TH	
MONTH	DAY	YEAR		COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL
10	7	63	55000	20	50	25230	0	230	0	24750	4680	16580	5360	38	7	25	6	24	5	31	3	41	2	33	2	35	1	37	1	44	1	34	1
10	22	63	37100	70	0	13430	0	1650	0	15980	5920	5540	3750	38	6	25	4	69	4	51	4	34	3	31	2	84	2						
11	4	63	9900	0	0	1920	0	20	0	4790	3160	2940	3960	51	3	38	3	84	3	69	2	25	1	30	1								
11	18	63	4600	0	140	900	0	180	0	810	2480	1220	5540	38	2	84	2	69	1														
12	17	63	200	0	0	50	0	0	0	50	70	90	90																				
1	7	64	600	0	0	40	0	0	0	140	430	80	210																				
1	21	64	1400	0	50	180	0	20	20	430	740	180	630																				
2	3	64	1100	0	0	70	0	100	0	230	720	200	660	84	1																		
2	17	64	2900	0	0	340	0	340	0	720	1490	2180	4730	84	1	38	1	51	1														
3	3	64	3700	0	0	90	0	160	0	900	2570	1800	8600	84	2																		

NATIONAL WATER QUALITY NETWORK

PLANKTON POPULATION

STATE NEBRASKA

MAJOR BASIN MISSOURI RIVER

MINOR BASIN LOWER MISSOURI BELOW NIOBRARA RIVER

STATION LOCATION PLATTE RIVER ABOVE

PLATTSMOUTH, NEBRASKA 086

DATE OF SAMPLE			DOMINANT SPECIES OF DIATOMS AND PERCENT OF TOTAL DIATOMS (See text for Codes)									FUNGI AND SHEATHED BACTERIA Number per ml.	PROTOZOA (Identifiable) Number per ml.	MICROINVERTEBRATES																			
			1ST		2ND		3RD		4TH					ROTIFERS											CRUSTACEA								
															GENERA AND COUNT LEVEL (See text for Codes)											GENERA AND COUNT LEVEL (See text for Codes)							
															1ST		2ND		3RD		4TH		5TH			1ST		2ND		3RD			
MONTH	DAY	YEAR	SPECIES	PERCENT	SPECIES	PERCENT	SPECIES	PERCENT	SPECIES	PERCENT	OTHER SPECIES PERCENT			NUMBER PER LITER	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	NUMBER PER LITER	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	NEMATODES (Identifiable) Number per liter	OTHER ANIMAL FORMS (Number per liter)
10	2	62	46	40	26	12	73	4	71	4	40	80	0	-											-							-	-
10	16	62	46	32	26	10	82	9	80	5	44	40	-	0											0							0	0
11	6	62	46	24	73	10	48	8	71	8	50	-	-	0											0							0	0
11	20	62	46	36	80	11	71	6	36	5	42	80	-	0											0							0	0
12	4	62	46	25	45	21	71	6	92	4	44	-	-	0											0							0	0
12	18	62	46	15	47	15	82	14	71	7	49	-	-	0											0							0	0
1	8	63	46	22	70	10	48	10	80	8	50	40	-	0											0							0	0
1	22	63										-	-	0											0							0	0
2	4	63	46	18	70	11	73	6	48	5	60	-	-	0											0							0	0
2	18	63	71	29	46	24	92	6	74	5	36	-	-	0											0							0	0
3	6	63	46	30	71	22	92	9	36	4	35	-	-	0											0							0	0
3	19	63										-	-	-											-							-	-
4	2	63	46	25	45	16	49	12	71	8	39	-	-	0											0							0	0
4	16	63	45	62	46	9	55	4	78	4	21	-	-	0											0							0	0
5	7	63										-	-	-											-							-	-
5	21	63	45	47	82	15	92	6	46	6	26	-	-	-											-							-	-
6	4	63	45	27	46	13	71	10	26	6	44	-	-	-											-							-	-
6	18	63	46	30	45	10	82	7	71	7	46	-	-	-											-							-	-
8	6	63										-	-	-											-							-	-
8	21	63										-	-	-											-							-	-
9	3	63										-	-	-											-							-	-
9	17	63										-	-	-											-							-	-

NATIONAL WATER QUALITY NETWORK

PLANKTON POPULATION

STATE NEBRASKA

MAJOR BASIN MISSOURI RIVER

MINOR BASIN LOWER MISSOURI BELOW NIOBRARA RIVER

STATION LOCATION PLATTE RIVER ABOVE

PLATTSMOUTH, NEBRASKA 086

DATE OF SAMPLE			DOMINANT SPECIES OF DIATOMS AND PERCENT OF TOTAL DIATOMS (See text for Codes)									FUNGI AND SHEATHED BACTERIA Number per ml.	MICROINVERTEBRATES																					
			1ST		2ND		3RD		4TH		OTHER SPECIES PERCENT		PROTOZOA (Identifiable) Number per ml.	ROTIFERS											CRUSTACEA							NEMATODES (Identifiable) Number per liter	OTHER ANIMAL FORMS (Number per liter)
														NUMBER PER LITER	GENERA AND COUNT LEVEL (See text for Codes)										NUMBER PER LITER	GENERA AND COUNT LEVEL (See text for Codes)							
															1ST		2ND		3RD		4TH		5TH			1ST		2ND		3RD			
MONTH	DAY	YEAR	SPECIES	PERCENT	SPECIES	PERCENT	SPECIES	PERCENT	SPECIES	PERCENT					GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL		GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL		
10	7	63										-	0	-											-							-	-
10	22	63										-	0	-											-							-	-
11	4	63										-	0	-											-							-	-
11	18	63										-	0	-											-							-	-
12	17	63										-	0	-											-							-	-
1	7	64										-	0	-											-							-	-
1	21	64										-	0	-											-							-	-
2	3	64										-	0	-											-							-	-
2	17	64										-	0	-											-							-	-
3	3	64										-	0	-											-							-	-

NATIONAL WATER QUALITY NETWORK

RADIOACTIVITY DETERMINATIONS

STATE NEBRASKA

MAJOR BASIN MISSOURI RIVER

MINOR BASIN LOWER MISSOURI BELOW NIOBRARA RIVER

STATION LOCATION PLATTE RIVER ABOVE
PLATTSMOUTH, NEBRASKA 86

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER														RADIOACTIVITY IN PLANKTON					
			DATE OF DETERMINATION		ALPHA						BETA						DATE OF DETERMINATION		GROSS ACTIVITY			
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL				ALPHA		BETA	
MO.	DAY	YR.	MO.	DAY	pc/l	±	pc/l	±	pc/l	±	pc/l	±	pc/l	±	pc/l	±	MO.	DAY	pc/g	±	pc/g	±
10	1	62	11	15	6	4	1	2	7	4	30	18	42	16	72	24						
10	9	62	11	1	3	5	3	2	6	5	130	65	46	16	176	70						
10	16	62	12	14	0	1	1	1	1	1	3	5	11	7	14	9						
10	23	62	11	17	1	1	4	2	5	2	5	14	10	15	15	21						
10	30	62	11	21	-	-	-	-	-	-	38	16	26	16	64	23						
11	6	62	12	3	2	2	4	3	6	4	20	18	61	19	81	24						
11	13	62	12	4	1	1	5	3	6	3	29	9	29	10	58	13						
11	20	62	12	3	3	2	9	4	12	4	34	14	38	14	72	20						
11	27	62	12	18	3	6	6	3	9	7	10	61	36	16	46	63						
12	4	62	12	27	3	3	8	3	11	4	34	15	35	14	69	20						
12	11	62	1	7	1	1	6	3	7	3	13	8	39	10	52	13						
12	18	62	1	9	1	1	8	4	9	4	5	13	38	18	43	22						
12	24	62	1	10	2	1	7	3	9	3	117	16	35	17	152	23						
1	2	63	1	18	1	1	4	3	5	3	11	13	36	17	47	21						
1	8	63	1	21	2	1	5	3	7	3	28	7	25	8	53	11						
1	15	63	1	25	2	1	6	4	8	4	12	13	41	18	53	22						
1	22	63	2	6	0	1	4	3	4	3	1	14	36	17	37	22						
1	28	63	2	14	2	1	7	4	9	4	11	12	40	17	51	21						
2	4	63	2	18	1	1	5	3	6	3	8	6	35	9	43	11						
2	12	63	3	1	0	1	2	2	2	2	18	14	33	16	51	21						
2	18	63	3	7	2	2	11	4	13	4	39	16	39	16	78	23						
2	26	63	4	12	0	11	6	3	6	11	16	14	35	17	51	22						
3	6	63	3	25	4	4	6	3	10	5	103	11	52	6	155	13						
3	12	63	3	28	52	33	2	2	54	33	400	98	64	8	464	98						
3	19	63	4	4	42	23	9	3	51	23	492	104	43	16	535	105						
3	26	63	4	10	35	18	8	4	43	18	541	99	458	26	999	102						
4	2	63	4	18	7	4	6	3	13	5	75	18	155	18	230	25						
4	9	63	4	29	2	2	3	2	5	3	43	8	43	6	86	10						
4	16	63	4	29	5	3	4	3	9	4	100	10	57	8	157	13						
4	23	63	5	15	2	2	7	3	9	4	56	15	45	16	101	22						
4	30	63	5	17	14	8	3	3	17	9	363	29	108	17	471	34						
5	7	63	5	7	7	8	2	2	9	8	127	69	84	16	211	71						
5	14	63	5	31	0	2	3	3	3	3	81	10	66	10	147	14						
5	21	63	6	5	6	4	3	2	9	4	108	31	67	16	175	35						
5	28	63	6	12	4	3	5	3	9	4	143	19	84	18	227	26						
6	4	63	6	17	3	3	5	4	8	5	110	10	57	8	167	13						
6	11	63	7	1	12	7	7	3	19	8	320	24	117	9	437	26						
6	18	63	7	3	9	5	1	1	10	5	165	22	80	13	245	26						
6	25	63	7	23	175	107	0	1	175	107	1367	262	77	9	1444	262						

NATIONAL WATER QUALITY NETWORK

RADIOACTIVITY DETERMINATIONS

STATE NEBRASKA

MAJOR BASIN MISSOURI RIVER

MINOR BASIN LOWER MISSOURI BELOW NIOBRARA RIVER

STATION LOCATION PLATTE RIVER ABOVE

PLATTSMOUTH, NEBRASKA 86

DATE SAMPLE TAKEN			DATE OF DETERMINATION		RADIOACTIVITY IN WATER												RADIOACTIVITY IN PLANKTON					
					ALPHA						BETA						DATE OF DETERMINATION		GROSS ACTIVITY			
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL				ALPHA		BETA	
MO.	DAY	YR.	MO.	DAY	pc/l	±	pc/l	±	pc/l	±	pc/l	±	pc/l	±	pc/l	±	MO.	DAY	pc/g	±	pc/g	±
7	3	63	7	23	6	6	6	4	12	7	94	50	79	14	173	52						
7	9	63	7	31	5	3	3	3	8	4	61	16	68	16	129	23						
7	16	63	8	7	2	2	3	3	5	4	28	14	14	15	42	21						
7	23	63	8	14	3	2	6	4	9	4	41	15	69	19	110	24						
7	30	63	8	14	1	1	2	4	3	4	29	7	57	18	86	19						
8	6	63	8	19	3	2	4	3	7	4	93	9	68	8	161	12						
8	13	63	8	27	4	3	3	2	7	4	57	16	40	16	97	23						
8	21	63	9	16	0	1	2	3	2	3	11	6	42	9	53	11						
8	27	63	9	17	0	1	1	4	1	4	9	12	23	28	32	30						
9	3	63	9	23	22	13	1	1	23	13	214	39	39	7	253	40						
[illegible]	9	63	10	2	4	3	3	3	7	4	70	18	47	16	117	24						
[illegible]	17	63	10	4	9	5	4	2	13	5	82	19	47	9	129	21						
[illegible]	23	63	10	14	5	5	0	2	5	5	130	12	50	9	180	15						

NATIONAL WATER QUALITY NETWORK

RADIOACTIVITY DETERMINATIONS

STATE NEBRASKA

MAJOR BASIN MISSOURI RIVER

MINOR BASIN LOWER MISSOURI BELOW NIOBRARA RIVER

STATION LOCATION PLATTE RIVER ABOVE

PLATTSMOUTH, NEBRASKA 86

DATE SAMPLE TAKEN			DATE OF DETERMINATION		RADIOACTIVITY IN WATER												RADIOACTIVITY IN PLANKTON					
					ALPHA						BETA						DATE OF DETERMINATION		GROSS ACTIVITY			
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL				ALPHA		BETA	
NO.	DAY	YR.	NO.	DAY	pc/l	±	pc/l	±	pc/l	±	pc/l	±	pc/l	±	pc/l	±	NO.	DAY	pc/g	±	pc/g	±
10	1	63	10	17	3	2	3	3	6	4	49	16	38	16	87	23						
10	7	63	10	23	1	2	7	4	8	4	23	15	38	16	61	22						
10	15	63	11	14	4	2	7	4	11	4	17	15	33	17	50	23						
10	22	63	11	21	2	2	4	4	6	4	38	15	43	18	81	23						
10	29	63	11	21	3	5	6	5	9	7	72	21	34	18	106	28						
11	4	63	11	22	1	2	5	4	6	4	29	14	25	16	54	21						
11	12	63	12	5	3	3	3	3	6	3	51	17	38	15	89	23						
11	26	63	12	24	4	3	5	4	9	5	21	9	37	10	58	13						
12	3	63	1	6	2	2	4	4	6	4	18	2	25	4	43	4						
12	10	63	1	8	0	1	8	5	8	5	27	6	28	6	55	8						
12	17	63	1	13	0	1	5	6	5	6	2	1	29	6	31	6						
12	24	63	1	14	1	1	5	5	6	5	4	2	24	7	28	7						
12	31	63	1	20	0	1	7	5	7	5	5	1	30	4	35	4						
1	7	64	1	27	0	1	8	4	8	4	2	1	25	3	27	3						
1	14	64	1	27	0	1	5	4	5	4	3	1	28	4	31	4						
1	21	64	2	10	0	1	6	4	6	4	5	2	22	3	27	4						
1	28	64	2	18	1	2	5	4	6	4	7	4	26	6	33	7						
2	3	64	2	24	0	2	6	4	6	4	18	3	18	3	36	4						
2	11	64	3	5	1	2	8	4	9	4	14	5	21	6	35	8						
2	17	64	3	13	1	1	6	2	7	2	16	6	22	6	38	8						
2	25	64	3	16	2	3	11	5	13	6	17	3	22	3	39	4						

NATIONAL WATER QUALITY NETWORK

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE NEBRASKA
MAJOR BASIN MISSOURI RIVER
MINOR BASIN NORTH PLATTE RIVER
STATION LOCATION NORTH PLATTE RIVER ABOVE
HENRY, NEBRASKA 94

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	1	62	12.0	9.6	8.0	2.9	-	-	-	-	22	178	244	13	125	224	.4	542	21000
10	8	62	12.0	9.1	8.0	1.5	-	-	-	-	23	186	224	12	90	245	.4	543	2800
10	15	62	11.0	9.3	8.0	3.1	0	-	-	-	23	188	280	13	175	252	.4	541	24000
10	22	62	10.0	9.0	8.0	3.9	36	-	-	-	24	174	248	12	150	244	.4	664	-
10	29	62	9.0	9.1	8.0	5.2	24	-	-	-	24	176	240	10	100	260	.4	559	43000
11	5	62	8.0	8.5	8.1	6.1	30	-	-	-	24	186	264	10	90	204	.4	524	32000
11	12	62	6.0	9.2	8.1	5.6	18	-	-	-	25	200	260	12	150	240	.4	602	20000
11	19	62	4.0	9.9	8.0	4.9	18	-	-	-	17	200	290	14	120	194	.4	608	13000
11	26	62	6.0	9.0	8.0	4.8	25	-	-	-	16	200	260	12	130	210	.4	548	42000
12	3	62	6.0	9.0	8.0	2.7	30	-	-	-	17	185	240	12	110	220	.4	573	36000
12	10	62	3.5	9.3	8.0	6.0	51	-	-	-	19	204	286	13	140	196	.4	558	30000
12	17	62	6.0	10.1	8.0	3.5	20	-	-	-	19	210	256	10	100	184	.4	583	6600
12	26	62	.0	10.8	8.0	5.0	23	-	-	-	18	220	284	8	72	190	.4	603	2000
12	31	62	1.0	11.2	8.0	2.6	29	-	-	-	18	192	256	8	100	196	.4	570	2000
1	7	63	.5	11.5	8.1	2.3	19	-	-	-	20	210	256	12	90	192	.4	565	1000
1	14	63	.0	9.2	8.1	4.3	28	-	-	-	20	250	258	7	100	228	.5	702	800
1	21	63	.0	10.8	8.0	1.8	20	-	-	-	18	220	264	5	50	228	.5	619	100
1	28	63	3.0	9.2	8.1	3.0	28	-	-	-	16	206	256	5	190	160	.5	524	500
2	4	63	5.0	8.9	8.0	9.3	21	-	-	-	17	196	272	12	300	184	.5	542	500
2	11	63	.0	11.9	8.0	1.8	22	-	-	-	18	208	280	10	100	184	.4	605	1000
2	18	63	5.0	10.5	8.0	1.6	28	-	-	-	19	210	272	15	90	186	.5	555	500
2	25	63	4.0	11.0	8.0	1.1	20	-	-	-	21	220	264	12	95	192	.4	588	*200
3	4	63	3.0	11.6	8.0	1.5	22	-	-	-	19	198	280	13	100	186	.4	584	100
3	11	63	5.0	10.7	8.0	1.5	16	-	-	-	20	200	288	10	125	176	.5	536	*200
3	18	63	6.0	11.0	8.0	1.2	20	-	-	-	19	198	296	12	150	244	.4	588	100
3	25	63	9.0	10.8	8.1	1.4	28	-	-	-	19	198	280	15	160	196	.4	590	*200
4	1	63	12.0	9.6	8.0	2.0	20	-	-	-	17	180	282	14	130	194	.4	561	100
4	8	63	15.0	9.2	8.0	2.7	19	-	-	-	19	182	264	12	140	184	.4	525	1000
4	15	63	15.0	9.4	8.0	6.7	22	-	-	-	19	194	320	10	130	180	.4	543	500
4	22	63	4.0	10.9	8.0	1.6	20	-	-	-	19	182	284	10	130	186	.4	557	500
4	29	63	8.0	10.1	8.0	2.3	23	-	-	-	18	194	272	13	130	186	.4	582	2100
5	6	63	18.0	8.2	8.0	3.0	36	-	-	.0	16	140	240	15	330	176	.4	460	29000
5	13	63	14.0	8.5	8.0	2.0	24	-	-	.0	16	134	264	15	200	184	.4	484	100
5	20	63	14.0	8.9	8.0	2.1	16	-	-	.0	18	160	288	10	140	190	.4	500	1000
5	27	63	14.0	8.7	8.0	1.0	22	-	-	.0	18	148	270	12	130	180	.4	533	100
6	3	63	19.0	8.5	8.0	1.3	24	-	-	.2	17	176	272	15	200	176	.4	535	500
6	10	63	17.0	8.0	8.0	1.8	24	-	-	.5	17	180	264	10	370	144	.4	560	10000
6	17	63	18.0	8.3	8.0	2.7	29	-	-	.2	18	180	272	20	450	132	.4	504	1006
6	24	63	21.0	7.8	8.0	1.3	20	-	-	.2	19	200	272	10	190	132	.4	544	-

NATIONAL WATER QUALITY NETWORK

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE NEBRASKA
MAJOR BASIN MISSOURI RIVER
MINOR BASIN NORTH PLATTE RIVER
STATION LOCATION NORTH PLATTE RIVER ABOVE
HENRY, NEBRASKA 94

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
7	1	63	22.0	7.2	8.0	1.8	28	-	-	.2	15	136	256	15	340	184	.4	455	-
7	8	63	21.0	7.0	8.0	1.8	32	-	-	.2	15	142	240	23	575	136	.4	388	1000
7	15	63	22.0	7.1	8.0	1.3	24	-	-	-	15	142	264	20	500	124	.5	421	-
7	22	63	23.0	7.0	8.0	2.3	26	-	-	.2	19	140	272	18	480	120	.4	400	100
7	29	63	21.0	7.3	8.0	1.5	26	-	-	.1	15	142	280	17	270	132	.4	452	100
8	5	63	22.0	7.2	8.0	1.6	26	-	-	.1	14	148	288	20	230	150	.3	412	100
8	12	63	22.0	7.6	8.0	2.2	21	-	-	.1	15	144	280	18	175	159	.4	418	1000
8	19	63	21.0	7.3	8.0	1.8	21	-	-	.2	16	144	248	17	210	158	.4	426	300
8	26	63	22.0	7.4	8.1	1.1	24	-	-	.2	15	158	276	15	153	156	.4	462	*10
9	2	63	21.0	7.3	8.0	1.8	21	-	-	.2	16	144	248	17	210	153	.4	426	-
9	4	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	420
9	9	63	20.0	8.0	8.1	1.3	24	-	-	.2	16	174	288	15	165	148	.4	510	310
9	16	63	19.0	8.3	8.1	2.1	21	-	-	.2	17	168	296	17	240	156	.4	512	-
9	23	63	16.0	7.9	8.1	1.4	21	-	-	.2	19	192	244	12	400	170	.4	540	1000
9	30	63	15.0	9.0	8.1	2.0	20	-	-	.2	17	202	240	10	150	130	.4	461	100

NATIONAL WATER QUALITY NETWORK

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE NEBRASKA
MAJOR BASIN MISSOURI RIVER
MINOR BASIN NORTH PLATTE RIVER
STATION LOCATION NORTH PLATTE RIVER ABOVE
HENRY, NEBRASKA 94

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	7	63	15.0	9.0	8.1	2.0	20	-	-	.2	17	202	240	10	150	130	.4	461	36000
10	14	63	13.0	8.6	8.2	4.2	26	-	-	.2	20	196	312	12	175	171	.4	525	7800
10	21	63	12.5	8.4	8.2	6.3	28	-	-	.2	19	206	256	15	170	165	.4	515	30000
10	28	63	8.0	9.7	8.2	4.8	20	-	-	.2	18	218	280	13	155	175	.4	568	13000
11	4	63	9.5	8.4	8.2	7.2	32	-	-	.2	21	196	296	15	150	165	.4	595	42000
11	11	63	9.0	9.5	8.1	5.9	30	-	-	.2	21	216	224	15	150	180	.4	543	80000
11	18	63	5.0	9.9	8.2	5.9	32	-	-	.2	20	214	312	15	145	204	.4	602	50000
11	25	63	5.0	9.2	8.2	5.8	32	-	-	.2	21	222	272	13	125	244	.4	595	130000
12	2	63	4.0	9.8	8.2	4.8	32	-	-	.2	21	220	328	14	125	228	.4	638	120000
12	9	63	1.0	11.1	8.2	7.8	31	-	-	.2	20	218	336	12	120	221	.4	614	31000
12	16	63	1.0	11.9	8.2	8.4	51	-	-	.2	21	216	312	12	118	226	.4	640	170000
12	23	63	2.0	8.0	8.2	30.4	40	-	-	.2	20	218	318	12	115	225	.4	622	75000
12	30	63	3.0	9.3	8.2	50.6	74	-	-	.2	20	222	312	15	122	216	.4	632	-
1	6	64	1.0	11.0	8.0	27.6	52	-	-	.2	20	214	344	15	120	208	.4	631	200000
1	13	64	.8	10.3	8.0	33.4	56	-	-	.2	21	216	340	12	102	208	.4	697	65000
1	20	64	4.0	9.8	8.1	19.2	55	-	-	.2	20	228	296	15	145	236	.4	589	88000
1	27	64	3.0	10.9	7.3	16.4	48	-	-	.2	19	224	296	15	130	204	.4	637	11000
2	3	64	2.0	10.8	8.0	6.0	32	-	-	.2	19	216	304	13	130	212	.4	615	600
2	10	64	6.0	10.7	8.0	4.6	24	-	-	.2	19	216	312	12	140	210	.4	630	1000
2	17	64	2.0	12.1	8.0	2.3	24	-	-	.2	19	212	336	10	100	216	.4	575	*1000
2	24	64	3.0	10.6	8.1	4.7	32	-	-	.2	19	222	304	10	110	216	.4	614	*1000
3	2	64	5.0	10.7	8.1	2.7	29	-	-	.2	20	226	304	10	200	212	.4	606	800
3	9	64	3.0	12.2	8.1	2.5	26	-	-	.2	20	216	328	12	110	216	.4	596	20
3	16	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*20

NATIONAL WATER QUALITY NETWORK

PLANKTON POPULATION

STATE NEBRASKA
MAJOR BASIN MISSOURI RIVER
MINOR BASIN NORTH PLATTE RIVER
STATION LOCATION NORTH PLATTE RIVER ABOVE
HENRY, NEBRASKA

94

DATE OF SAMPLE			ALGAE (Number per milliliter)									INERT DIATOM SHELLS		MOST ABUNDANT ALGAE - Genera and Count Level per ml. (See text for Codes)																			
			TOTAL	BLUE-GREEN		GREEN		FLAGELLATED (Pigmented)		DIATOMS				1ST		2ND		3RD		4TH		5TH		6TH		7TH		8TH		9TH		10TH	
MONTH	DAY	YEAR		COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL
10	1	62	2700	0	270	50	0	20	0	470	1940	270	1350	79	2	68	2	82	2	12	1	73	1	81	1	87	1						
10	15	62	2900	0	0	0	0	0	0	330	2570	0	410	82	3	88	2	68	2	81	2	73	1	87	1	92	1						
11	5	62	2400	0	0	0	0	60	0	0	2360	0	170	82	3	81	2	88	1	92	1	87	1	73	1								
11	19	62	3200	0	0	40	0	0	0	210	2940	0	290	82	4	81	2	88	1	87	1												
12	3	62	500	0	0	0	0	0	0	70	470	0	450																				
12	17	62	1300	0	0	0	0	0	0	200	1080	20	590	81	2	82	1	85	1														
1	7	63	700	0	0	0	0	0	0	110	620	20	750	82	1	88	1	81	1														
1	21	63	300	0	0	0	0	20	0	70	220	0	310																				
2	4	63	1500	0	0	20	0	40	0	180	1210	0	2730	81	1	88	1	82	1														
2	18	63	1000	0	0	20	0	0	90	150	750	70	1340	88	1	87	1																
3	4	63	1500	0	0	20	0	20	20	180	1210	20	1670	88	2	81	1																
3	18	63	1200	0	0	20	0	60	230	20	820	40	2460	88	2	65	1	81	1														
4	1	63	1100	0	20	0	0	40	0	0	1060	0	1690	87	1	88	1	82	1	81	1												
4	15	63	1400	0	0	0	0	20	0	0	1410	0	1410	82	3	81	1																
5	6	63	1400	0	0	0	0	0	0	70	1320	0	3300	81	2																		
5	20	63	300	0	0	0	0	0	0	70	220	0	440																				
6	3	63	600	0	0	20	0	0	0	0	590	20	1140	75	2																		
6	17	63	14600	0	340	1090	0	40	210	630	12240	130	3400	75	5	73	4	82	4	81	3	87	3	88	3	85	3	38	3	79	3	91	2
8	5	63	1900	0	340	450	0	30	0	120	1010	420	1330																				
8	19	63	1700	0	20	350	0	110	0	900	300	130	1270																				
9	4	63	1800	0	0	130	0	0	0	200	1430	40	640	84	1																		
9	16	63	2800	0	430	180	0	450	0	450	1270	50	610	12	2	51	2																

NATIONAL WATER QUALITY NETWORK

PLANKTON POPULATION

STATE NEBRASKA
MAJOR BASIN MISSOURI RIVER
MINOR BASIN NORTH PLATTE RIVER
STATION LOCATION NORTH PLATTE RIVER ABOVE
HENRY, NEBRASKA 94

DATE OF SAMPLE			ALGAE (Number per milliliter)									INERT DIATOM SHELLS		MOST ABUNDANT ALGAE - Genera and Count Level per ml. (See text for Codes)																			
			TOTAL	BLUE-GREEN		GREEN		FLAGELLATED (Pigmented)		DIATOMS				1ST		2ND		3RD		4TH		5TH		6TH		7TH		8TH		9TH		10TH	
MONTH	DAY	YEAR		COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL
10	7	63	600	0	0	50	0	0	0	70	500	0	450																				
10	21	63	1900	0	90	110	0	50	0	70	1630	20	950																				
11	4	63	1200	0	0	0	0	20	0	90	1110	70	360																				
11	18	63	1200	0	0	20	0	0	0	70	1130	110	990																				
12	2	63	300	0	0	0	0	0	0	20	250	0	160																				
12	16	63	300	0	0	20	0	0	0	180	110	50	50																				
1	6	64	800	0	0	0	0	0	0	170	670	0	80																				
1	20	64	1000	0	0	0	0	0	0	70	880	0	380																				
2	3	64	1800	0	20	0	0	20	0	430	1350	0	810																				
2	17	64	1300	0	0	0	0	0	0	520	740	180	470																				
3	2	64	2300	0	0	50	0	20	0	380	1870	70	2070																				

NATIONAL WATER QUALITY NETWORK

PLANKTON POPULATION

STATE NEBRASKA

MAJOR BASIN MISSOURI RIVER

MINOR BASIN NORTH PLATTE RIVER

STATION LOCATION NORTH PLATTE RIVER ABOVE HENRY, NEBRASKA 094

DATE OF SAMPLE			DOMINANT SPECIES OF DIATOMS AND PERCENT OF TOTAL DIATOMS (See text for Codes)									FUNGI AND SHEATHED BACTERIA Number per ml.	PROTOZOA (Identifiable) Number per ml.	MICROINVERTEBRATES																			
														ROTIFERS											CRUSTACEA								
															GENERA AND COUNT LEVEL (See text for Codes)											GENERA AND COUNT LEVEL (See text for Codes)						NEMATODES (Identifiable) Number per liter	OTHER ANIMAL FORMS (Number per liter)
			1ST		2ND		3RD		4TH						1ST		2ND		3RD		4TH		5TH			1ST		2ND		3RD			
MONTH	DAY	YEAR	SPECIES	PERCENT	SPECIES	PERCENT	SPECIES	PERCENT	SPECIES	PERCENT	OTHER SPECIES PERCENT			NUMBER PER LITER	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	NUMBER PER LITER	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL		
10	1	62	15	14	36	14	2	7	16	6	59	20	-	27	11	2	17	1							0							0	0
10	15	62	36	23	33	11	2	9	92	6	51	-	-	0											0							0	0
11	5	62	36	35	33	20	92	8	2	6	31	-	-	0											0							0	0
11	19	62	36	44	33	15	71	9	92	5	27	230	-	0											0							0	0
12	3	62	36	31	92	18	31	16	71	7	28	50	-	0											0							0	0
12	17	62	36	14	9	14	33	14	51	10	48	40	-	0											0							0	0
1	7	63	71	15	36	12	82	10	31	5	58	-	-	0											0							0	0
1	21	63	82	25	33	11	71	7	2	6	51	-	-	0											0							0	0
2	4	63	33	22	71	19	36	14	92	6	39	-	-	0											0							0	0
2	18	63	71	28	33	11	92	9	65	8	44	-	-	0											0							0	0
3	4	63	71	35	33	16	36	5	12	4	40	-	-	0											0							0	1
3	18	63	71	37	33	19	65	9	36	5	30	-	-	0											0							0	0
4	1	63	71	16	36	14	33	10	65	9	51	-	-	0											0							0	0
4	15	63	36	50	31	13	71	6	92	5	26	-	-	1											0							0	0
5	6	63	33	17	31	12	71	8	36	8	55	-	-	-											-							-	-
5	20	63	33	11	36	10	15	6	6	6	67	-	-	-											-							-	-
6	3	63	6	30	2	10	36	9	15	7	44	-	-	-											-							-	-
6	17	63	2	29	2	11	36	11	31	6	43	-	-	-											-							-	-
8	5	63										-	-	-											-							-	-
8	19	63										-	-	-											-							-	-
9	4	63										-	-	-											-							-	-
9	16	63										-	-	-											-							-	-

NATIONAL WATER QUALITY NETWORK

PLANKTON POPULATION

STATE NEBRASKA

MAJOR BASIN MISSOURI RIVER

MINOR BASIN NORTH PLATTE RIVER

STATION LOCATION NORTH PLATTE RIVER ABOVE

HENRY, NEBRASKA 094

DATE OF SAMPLE			DOMINANT SPECIES OF DIATOMS AND PERCENT OF TOTAL DIATOMS (See text for Codes)									FUNGI AND SHEATHED BACTERIA Number per ml.	PROTOZOA (Identifiable) Number per ml.	MICROINVERTEBRATES																			
														ROTIFERS											CRUSTACEA							NEMATODES (Identifiable) Number per liter	OTHER ANIMAL FORMS (Number per liter)
														NUMBER PER LITER	GENERA AND COUNT LEVEL (See text for Codes)										NUMBER PER LITER	GENERA AND COUNT LEVEL (See text for Codes)							
			1ST		2ND		3RD		4TH						1ST		2ND		3RD		4TH		5TH			1ST		2ND		3RD			
MONTH	DAY	YEAR	SPECIES	PERCENT	SPECIES	PERCENT	SPECIES	PERCENT	SPECIES	PERCENT	OTHER SPECIES PERCENT				GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL		GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL		
10	7	63										-	0	-											-							-	-
10	21	63										-	0	-											-							-	-
11	4	63										-	0	-											-							-	-
11	18	63										-	0	-											-							-	-
12	2	63										-	0	-											-							-	-
12	16	63										-	0	-											-							-	-
1	6	64										-	0	-											-							-	
1	20	64										-	0	-											-								
2	3	64										-	0	-											-								
2	17	64										-	0	-											-								
3	2	64										-	0	-											-								

NATIONAL WATER QUALITY NETWORK

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE NEBRASKA
MAJOR BASIN MISSOURI RIVER
MINOR BASIN NORTH PLATTE RIVER
STATION LOCATION NORTH PLATTE RIVER ABOVE
HENRY, NEBRASKA 94

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES										
BEGINNING			END								NEUTRALS								
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGENATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	7	63	10	14	4175#	84	16	68	1	1	11	4	2	5	0	2	0	0	1
11	4	63	11	10	3492	103	24	79	-	-	-	-	-	-	-	-	-	-	-
12	2	63	12	8	3160	191	40	151	-	-	-	-	-	-	-	-	-	-	-
2	3	64	2	5	1308	170	34	136	-	-	-	-	-	-	-	-	-	-	-

ESTIMATED

NATIONAL WATER QUALITY NETWORK

RADIOACTIVITY DETERMINATIONS

STATE NEBRASKA
MAJOR BASIN MISSOURI RIVER
MINOR BASIN NORTH PLATTE RIVER
STATION LOCATION NORTH PLATTE RIVER ABOVE
HENRY, NEBRASKA 94

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER															RADIOACTIVITY IN PLANKTON					
			DATE OF DETERMI-NATION		ALPHA						BETA							DATE OF DETERMI-NATION		GROSS ACTIVITY			
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL					ALPHA		BETA	
MO.	DAY	YR.	MO.	DAY	pc/l	±	pc/l	±	pc/l	±	pc/l	±	pc/l	±	pc/l	±		MO.	DAY	pc/g	±	pc/g	±
10	1	62	10	23	0	1	25	6	25	6	21	12	43	16	64	20							
10	8	62	11	1	0	1	16	5	16	5	9	15	45	19	54	24							
10	15	62	11	6	0	1	20	6	20	6	17	14	58	18	75	23							
10	22	62	11	20	0	1	26	7	26	7	10	12	52	17	62	21							
10	29	62	11	21	1	1	27	7	28	7	19	13	45	17	64	21							
11	5	62	11	27	0	1	18	6	18	6	6	14	25	17	31	22							
11	12	62	12	19	1	1	24	6	25	6	6	12	42	17	48	21							
11	19	62	12	28	1	1	27	7	28	7	12	12	65	18	77	22							
11	26	62	12	21	2	1	23	6	25	6	15	12	50	17	65	21							
12	3	62	12	31	0	1	26	7	26	7	12	7	61	10	73	12							
12	10	62	1	3	0	1	22	6	22	6	4	12	41	18	45	22							
12	17	62	1	7	0	1	22	6	22	6	4	7	34	11	38	13							
12	26	62	1	11	1	1	35	8	36	8	8	11	41	15	49	19							
12	31	62	1	14	0	1	15	3	15	3	10	6	40	7	50	9							
1	7	63	1	24	1	1	37	8	38	8	4	13	41	18	45	22							
1	14	63	1	24	0	2	40	9	40	9	9	25	71	31	80	40							
1	21	63	2	1	2	1	27	7	29	7	23	12	68	17	91	21							
1	28	63	2	11	0	1	16	5	16	5	2	6	41	9	43	11							
2	4	63	2	18	0	2	44	9	44	9	26	7	62	9	88	11							
2	11	63	3	11	0	1	7	4	7	4	9	6	61	9	70	11							
2	18	63	3	4	1	1	38	8	39	8	8	6	44	9	52	11							
2	25	63	3	15	0	1	31	7	31	7	18	10	46	15	64	18							
3	4	63	3	20	0	1	29	7	29	7	17	12	58	17	75	21							
3	11	63	3	28	0	1	36	8	36	8	9	10	48	15	57	18							
3	18	63	4	1	0	1	34	7	34	7	21	6	57	9	78	11							
3	25	63	4	8	1	1	15	5	16	5	9	6	49	9	58	11							
4	1	63	4	18	1	1	21	5	22	5	12	12	87	18	99	22							
4	9	63	4	29	0	1	32	7	32	7	39	7	87	9	126	11							
4	15	63	5	1	1	1	36	7	37	7	9	13	56	18	65	22							
4	22	63	5	6	0	1	19	5	19	5	20	6	69	9	89	11							
4	29	63	5	17	1	1	29	7	30	7	83	14	151	19	234	24							
5	6	63	5	24	1	1	9	4	10	4	55	14	79	17	134	22							
5	13	63	5	31	0	1	13	5	13	5	20	7	38	9	58	11							
5	20	63	6	13	0	1	21	6	21	6	26	13	62	17	88	21							
5	27	63	6	12	0	1	25	6	25	6	16	11	71	18	87	21							
6	3	63	6	17	0	1	17	5	17	5	45	7	78	9	123	11							
6	10	63	7	1	2	2	21	6	23	6	89	8	101	9	190	12							
6	17	63	7	3	1	2	22	6	23	6	128	12	82	18	210	22							
6	24	63	7	15	0	1	36	8	36	8	14	3	64	9	78	9							

NATIONAL WATER QUALITY NETWORK

RADIOACTIVITY DETERMINATIONS

STATE NEBRASKA
MAJOR BASIN MISSOURI RIVER
MINOR BASIN NORTH PLATTE RIVER
STATION LOCATION NORTH PLATTE RIVER ABOVE
HENRY, NEBRASKA 94

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER														RADIOACTIVITY IN PLANKTON					
			DATE OF DETERMINATION		ALPHA						BETA						DATE OF DETERMINATION		GROSS ACTIVITY			
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL				ALPHA		BETA	
MO.	DAY	YR.	MO.	DAY	pc/l	±	pc/l	±	pc/l	±	pc/l	±	pc/l	±	pc/l	±	MO.	DAY	pc/g	±	pc/g	±
7	1	63	7	15	1	1	8	5	9	5	47	4	70	9	117	10						
7	8	63	7	23	3	2	15	5	18	5	116	17	79	17	195	24						
7	22	63	8	7	2	2	10	4	12	4	29	9	46	17	75	19						
7	29	63	8	14	2	1	12	4	14	4	27	8	57	16	84	18						
8	5	63	8	21	1	1	9	4	10	4	15	7	42	16	57	17						
8	12	63	8	23	1	1	18	5	19	5	11	7	41	16	52	17						
8	19	63	9	6	1	1	11	4	12	4	22	7	43	17	65	18						
9	4	63	9	23	1	1	0	1	1	1	24	4	31	7	55	8						
9	9	63	10	1	1	1	21	6	22	6	10	4	37	10	47	11						
9	16	63	10	2	1	1	26	6	27	6	5	6	28	16	33	17						
9	23	63	10	8	1	1	24	6	25	6	5	6	57	18	62	19						
9	29	63	10	17	1	1	39	8	40	8	5	6	33	17	38	18						

NATIONAL WATER QUALITY NETWORK

RADIOACTIVITY DETERMINATIONS

STATE NEBRASKA
MAJOR BASIN MISSOURI RIVER
MINOR BASIN NORTH PLATTE RIVER
STATION LOCATION NORTH PLATTE RIVER ABOVE
HENRY, NEBRASKA 94

DATE SAMPLE TAKEN			DATE OF DETERMINATION		RADIOACTIVITY IN WATER												RADIOACTIVITY IN PLANKTON					
					ALPHA						BETA						DATE OF DETERMINATION		GROSS ACTIVITY			
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL				ALPHA		BETA	
MO.	DAY	YR.	MO.	DAY	pc/l	±	pc/l	±	pc/l	±	pc/l	±	pc/l	±	pc/l	±	MO.	DAY	pc/g	±	pc/g	±
10	7	63	10	29	0	0	29	7	29	7	8	6	48	17	56	18						
10	14	63	10	29	1	1	32	7	33	7	13	11	54	17	67	20						
10	21	63	11	20	0	1	16	6	16	6	13	10	43	14	56	17						
10	28	63	11	21	0	1	22	7	22	7	8	12	22	17	30	21						
11	4	63	11	22	0	1	31	7	31	7	13	11	44	21	57	24						
11	11	63	12	19	0	1	22	6	22	6	8	6	38	17	46	18						
11	18	63	12	20	0	1	27	6	27	6	4	5	48	17	52	18						
11	25	63	12	20	0	0	32	5	32	5	9	6	47	18	56	19						
12	2	63	12	26	0	0	21	4	21	4	5	1	36	4	41	4						
12	9	63	1	20	1	1	39	10	40	10	9	1	48	5	57	5						
12	16	63	1	13	1	1	19	6	20	6	8	1	31	4	39	4						
12	23	63	1	14	0	1	26	8	26	8	3	2	41	8	44	8						
12	30	63	1	20	1	1	37	10	38	10	8	1	55	5	63	5						
1	6	64	1	31	1	1	32	5	33	5	8	3	45	8	53	9						
1	13	64	2	4	0	1	35	11	35	11	10	2	47	8	57	8						
1	20	64	2	4	1	2	42	11	43	11	7	4	44	8	51	9						
1	27	64	2	18	0	1	28	9	28	9	5	4	40	7	45	8						
2	3	64	2	18	0	1	25	8	25	8	5	3	31	7	36	8						
2	10	64	2	28	0	1	35	10	35	10	7	4	29	7	36	8						
2	17	64	3	13	0	1	28	4	28	4	5	4	34	8	39	9						
2	24	64	3	16	0	0	38	10	38	10	4	1	37	4	41	4						

NATIONAL WATER QUALITY NETWORK

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE MISSOURI
MAJOR BASIN MISSOURI RIVER
MINOR BASIN LOWER MISSOURI BELOW NIOBRARA RIVER
STATION LOCATION MISSOURI RIVER AT
MISSOURI CITY, MISSOURI 108

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	2	62	-	-	8.1	-	-	-	-	-	41	166	240	5	320	160	.1	495	-
10	9	62	-	-	7.8	-	-	-	-	-	18	160	268	10	550	145	.2	403	-
10	16	62	-	-	8.0	-	-	-	-	-	23	166	240	5	170	160	.2	480	-
10	30	62	-	-	7.7	-	-	-	-	-	18	170	250	5	170	180	.0	507	-
11	6	62	-	-	8.1	-	-	-	-	-	23	174	240	5	*25	170	.0	500	-
11	13	62	-	-	7.6	-	-	-	-	-	21	172	244	5	*25	180	.0	520	-
11	20	62	-	-	7.9	-	-	-	-	-	16	176	256	0	*25	195	.0	518	-
11	28	62	-	-	7.4	-	-	-	-	-	36	180	270	5	*25	200	.0	530	-
12	4	62	-	-	7.7	-	-	-	-	-	25	200	310	5	*25	190	.0	545	-
12	11	62	-	-	8.3	-	-	-	-	-	28	222	284	5	85	155	.2	560	-
12	17	62	-	-	7.9	-	-	-	-	-	48	276	344	5	*25	165	.2	619	-
12	27	62	-	-	7.7	-	-	-	-	-	29	204	412	-	*25	165	.2	520	-
12	31	62	-	-	7.7	-	-	-	-	-	36	246	350	-	*25	170	.4	583	-
1	7	63	-	-	7.8	-	-	-	-	-	37	224	296	-	*25	180	.2	575	-
1	15	63	-	-	7.8	-	-	-	-	-	47	252	324	-	*25	165	.4	590	-
1	21	63	-	-	7.7	-	-	-	-	-	49	300	348	-	*25	180	.1	715	-
1	28	63	-	-	7.9	-	-	-	-	-	39	230	340	-	*25	220	.3	670	-
2	5	63	-	-	7.7	-	-	-	-	-	40	220	292	5	*25	195	.0	610	-
2	11	63	-	-	7.8	-	-	-	-	-	29	180	228	10	140	125	.2	430	-
2	18	63	-	-	7.8	-	-	-	-	-	25	176	248	10	77	140	.3	450	-
2	25	63	-	-	7.8	-	-	-	-	-	32	196	256	5	*25	125	.3	470	-
3	4	63	-	-	7.5	-	-	-	-	-	33	200	260	5	450	130	.0	440	-
3	11	63	-	-	7.8	-	-	-	-	-	24	150	200	15	1200	90	.3	360	-
3	19	63	-	-	7.1	-	-	-	-	-	21	164	200	15	2000	65	.2	411	-
3	25	63	-	-	7.0	-	-	-	-	-	27	210	280	15	650	120	.3	530	-
4	1	63	-	-	7.0	-	-	-	-	-	21	156	240	5	340	124	.0	400	-
4	8	63	-	-	7.6	-	-	-	-	-	22	160	270	5	250	156	.1	440	-
4	15	63	-	-	7.3	-	-	-	-	-	22	172	270	5	170	210	.0	510	-
4	22	63	-	-	7.3	-	-	-	-	-	15	172	270	0	240	210	.2	540	-
4	29	63	-	-	-	-	-	-	-	-	24	176	280	5	120	210	.1	540	-
5	6	63	-	-	-	-	-	-	-	-	25	172	260	5	900	180	.1	500	-
5	15	63	-	-	-	-	-	-	-	-	26	172	280	5	200	210	.1	550	-
5	21	63	-	-	-	-	-	-	-	-	18	168	250	5	550	184	.0	480	-
5	27	63	-	-	-	-	-	-	-	-	18	166	280	10	900	184	.1	500	-
6	4	63	-	-	-	-	-	-	-	-	22	176	300	5	100	222	.0	540	-
6	11	63	-	-	-	-	-	-	-	-	22	148	230	10	1500	150	.1	440	-
6	17	63	-	-	-	-	-	-	-	-	26	164	150	10	350	200	.0	550	-
6	25	63	-	-	-	-	-	-	-	-	28	158	260	10	300	196	.2	530	-

NATIONAL WATER QUALITY NETWORK

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE MISSOURI
MAJOR BASIN MISSOURI RIVER
MINOR BASIN LOWER MISSOURI BELOW NIOBRARA RIVER
STATION LOCATION MISSOURI RIVER AT
MISSOURI CITY, MISSOURI 109

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
7	2	63	-	-	-	-	-	-	-	-	18	154	240	15	900	160	.0	440	-
7	9	63	-	-	-	-	-	-	-	-	20	156	280	5	700	190	.2	520	-
7	16	63	-	-	-	-	-	-	-	-	19	166	280	10	420	220	.1	500	-
7	23	63	-	-	-	-	-	-	-	-	23	160	260	5	100	210	.1	510	-
7	31	63	-	-	-	-	-	-	-	-	25	162	290	5	110	240	.1	550	-
8	6	63	-	-	-	-	-	-	-	-	24	148	280	5	190	220	.1	520	-
8	15	63	-	-	-	-	-	-	-	-	30	190	270	15	1200	220	.2	640	-
8	20	63	-	-	-	-	-	-	-	-	30	150	230	5	190	200	.2	570	-
8	27	63	-	-	-	-	-	-	-	-	84	162	240	5	110	220	.1	540	-
9	3	63	-	-	-	-	-	-	-	-	18	160	270	0	500	180	.0	520	-
9	10	63	-	-	-	-	-	-	-	-	17	140	280	0	100	184	.0	480	-
9	17	63	-	-	-	-	-	-	-	-	22	184	280	10	65	220	.0	560	-
9	24	63	-	-	-	-	-	-	-	-	24	152	250	5	94	200	.1	510	-

NATIONAL WATER QUALITY NETWORK

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE MISSOURI
MAJOR BASIN MISSOURI RIVER
MINOR BASIN LOWER MISSOURI BELOW NIOBRARA RIVER
STATION LOCATION MISSOURI RIVER AT
MISSOURI CITY, MISSOURI 108

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	7	63	-	-	-	-	-	-	-	-	18	160	250	0	31	184	.0	450	-
10	15	63	-	-	-	-	-	-	-	-	23	168	240	-	51	190	.0	480	-
10	30	63	-	-	-	-	-	-	-	-	26	172	250	-	100	220	.1	450	-
11	4	63	-	-	-	-	-	-	-	-	25	160	270	-	105	220	.1	520	-
11	13	63	-	-	-	-	-	-	-	-	32	152	230	-	65	210	.0	530	-
11	19	63	9.0	5.1	8.1	-	-	-	-	-	27	250	290	-	43	196	.0	490	-
11	26	63	7.0	5.3	8.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	2	63	5.0	9.2	8.2	-	-	-	-	-	29	200	250	0	39	190	.1	540	-
12	9	63	2.7	5.9	7.9	-	-	-	-	-	34	220	270	0	57	184	.0	560	-
12	17	63	.6	8.8	8.1	-	-	-	-	.4	27	240	280	0	*25	176	.0	570	-
12	26	63	.5	7.6	8.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	3	64	1.1	7.7	8.4	-	-	-	-	-	32	198	310	5	*25	200	.4	580	-
1	8	64	.5	8.4	8.0	-	-	-	-	-	31	196	310	5	*25	196	.0	560	-
1	14	64	-	-	-	-	-	-	-	-	34	230	280	0	*25	164	.1	540	-
1	20	64	5.5	13.6	8.2	-	-	-	-	-	33	230	290	0	*25	176	.0	550	-
1	22	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	120000
1	28	64	1.1	14.5	8.6	-	-	-	-	.5	39	250	290	5	*25	156	.0	530	-
1	29	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11000
2	4	64	3.3	14.0	7.8	-	-	-	-	.6	33	210	260	5	*25	160	.2	540	-
2	5	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31000
2	10	64	1.7	14.9	7.7	-	-	-	-	.7	39	176	230	5	32	144	.2	490	-
2	12	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	78000
2	17	64	2.7	14.9	7.5	-	-	-	-	.8	33	172	240	5	*25	146	.0	430	-
2	19	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7000
2	25	64	.5	15.3	8.2	-	-	-	-	.6	35	210	290	0	*25	124	.0	420	-
2	26	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	77000
3	3	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	180000
3	11	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	110000

NATIONAL WATER QUALITY NETWORK

PLANKTON POPULATION

STATE MISSOURI
MAJOR BASIN MISSOURI RIVER
MINOR BASIN LOWER MISSOURI BELOW NIOBRARA RIVER
STATION LOCATION MISSOURI RIVER AT
MISSOURI CITY, MISSOURI 108

DATE OF SAMPLE			ALGAE (Number per milliliter)									INERT DIATOM SHELLS		MOST ABUNDANT ALGAE - Genera and Count Level per ml. (See text for Codes)																			
			TOTAL	BLUE-GREEN		GREEN		FLAGELLATED (Pigmented)		DIATOMS				1ST		2ND		3RD		4TH		5TH		6TH		7TH		8TH		9TH		10TH	
MONTH	DAY	YEAR		COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL
10	2	62	12500	40	60	1270	253	210	60	6230	2360	3760	2830	71	6	68	3	38	3	69	2	88	2	87	2	24	1	50	1	78	1	97	1
10	16	62	10600	210	60	1630	20	740	40	5670	2240	1990	700	71	5	68	4	69	4	38	3	88	3	51	3	87	2	25	1	24	1	3	1
11	6	62	2700	20	70	430	0	230	0	1460	520	1130	990	71	3	69	2	38	1	84	1												
11	20	62	4400	0	40	480	0	370	0	1620	1900	290	120	71	3	92	2	88	2	87	2	57	1	24	1	38	1	91	1	69	1		
12	4	62	1200	0	70	0	0	70	90	590	360	270	360	71	2																		
12	17	62	4700	20	110	90	0	350	0	3700	420	590	150	71	5	57	1	68	1	82	1												
1	7	63	2500	0	0	40	0	220	0	1980	240	180	110	68	4	71	2																
1	28	63	1300	0	0	40	0	220	40	920	20	20	20	71	3	51	1																
2	4	63	200	0	0	20	0	0	0	90	60	30	50																				
2	18	63	800	0	0	20	0	60	40	150	500	170	250	77	1																		
3	4	63	3400	0	0	20	0	130	110	810	2310	130	1230																				
3	19	63	500	0	0	0	0	40	0	90	350	90	440																				
4	1	63	1200	0	0	20	0	260	0	680	260	220	550	52	1																		
4	15	63	6800	0	610	1180	0	610	460	3720	2180	1300	860	71	5	77	4	17	2	51	2	88	2	63	2	38	2	25	2	26	1	91	1
5	6	63	2500	0	40	130	0	110	0	860	1320	420	1170	77	3																		
5	21	63	2600	0	0	480	0	110	0	810	1210	660	920	77	3	24	1	38	1														
6	4	63	10600	70	70	3700	0	400	0	3870	2510	2090	2460	71	5	24	4	77	4	38	4	88	3	69	2	25	2	68	1	51	1		
6	17	63	1500	0	70	140	0	160	0	410	700	250	450	77	1	84	1																
7	2	63	–	–	–	–	–	–	–	–	–	–	–																				
7	15	63	2000	0	0	570	0	110	0	950	370	570	510	38	1	35	1																
8	6	63	–	–	–	–	–	–	–	–	–	–	–																				
8	20	63	3100	0	0	1210	0	240	0	1380	280	4040	1330	38	3	84	1	25	1	52	1												
9	3	63	2900	20	0	1320	0	110	0	990	430	3310	1530	71	2	38	2	34	2	68	2	88	1										
9	17	63	2500	0	0	1330	0	140	0	880	160	1350	1010	38	3	68	2	71	2	69	1												

NATIONAL WATER QUALITY NETWORK

PLANKTON POPULATION

STATE	MISSOURI
MAJOR BASIN	MISSOURI RIVER
MINOR BASIN	LOWER MISSOURI BELOW NIOBRARA RIVER
STATION LOCATION	MISSOURI RIVER AT
	MISSOURI CITY, MISSOURI 108

DATE OF SAMPLE			ALGAE (Number per milliliter)										INERT DIATOM SHELLS		MOST ABUNDANT ALGAE - Genera and Count Level per ml. (See text for Codes)																			
			TOTAL	BLUE-GREEN		GREEN		FLAGELLATED (Pigmented)		DIATOMS				1ST		2ND		3RD		4TH		5TH		6TH		7TH		8TH		9TH		10TH	
MONTH	DAY	YEAR		COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL
10	7	63	1500	0	50	680	0	140	0	450	230	410	200	38	1	71	1																
10	21	63	400	0	0	300	0	20	0	90	0	230	140																				
11	4	63	7000	0	0	1990	0	270	20	4140	590	1760	950	71	4	68	4	38	3	69	2	34	1	44	1	51	1	25	1				
11	19	63	1500	0	0	180	0	20	0	1040	230	650	810	71	3	68	1																
12	17	63	200	0	50	90	0	0	0	0	20	20	70																				
2	17	64	2600	0	0	90	0	270	270	1620	320	540	520																				

NATIONAL WATER QUALITY NETWORK

PLANKTON POPULATION

STATE MISSOURI
MAJOR BASIN MISSOURI RIVER
MINOR BASIN LOWER MISSOURI-BELOW NIOBRARA RIVER
STATION LOCATION MISSOURI RIVER AT
MISSOURI CITY, MISSOURI 108

DATE OF SAMPLE			DOMINANT SPECIES OF DIATOMS AND PERCENT OF TOTAL DIATOMS *(See text for Codes)*									FUNGI AND SHEATHED BACTERIA *Number per ml.*	MICROINVERTEBRATES																				
			1ST		2ND		3RD		4TH				PROTOZOA *(Identifiable) Number per ml.*	ROTIFERS											CRUSTACEA							NEMATODES *(Identifiable) Number per liter*	OTHER ANIMAL FORMS *(Number per liter)*
														NUMBER PER LITER	GENERA AND COUNT LEVEL *(See text for Codes)* 1ST		2ND		3RD		4TH		5TH		NUMBER PER LITER	GENERA AND COUNT LEVEL *(See text for Codes)* 1ST		2ND		3RD			
MONTH	DAY	YEAR	SPECIES	PERCENT	SPECIES	PERCENT	SPECIES	PERCENT	SPECIES	PERCENT	OTHER SPECIES PERCENT				GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL		GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL		
10	2	62	80	52	58	9	26	8	82	4	27	-	-	-											-							-	-
10	16	62	46	24	80	15	26	11	82	8	41	-	-	0											0							0	0
11	6	62	80	59	46	14	26	5	92	3	21	-	-	0											0							0	0
11	20	62	46	29	80	25	45	9	92	7	31	-	-	0											0							0	0
12	4	62	46	18	45	12	80	11	71	8	51	-	-	-											-							-	-
12	17	62	82	61	36	2	71	5	26	4	18	40	0	1											0							0	0
1	7	63	71	8	10	8	79	7	58	7	70	-	-	0											3							0	0
1	28	63	82	78	9	10	80	4	67	2	6	-	-	1											0							0	0
2	4	63	82	54	9	27	80	4	70	2	13	-	-	0											1							0	0
2	18	63	71	35	80	10	36	10	92	8	37	-	-	0											0							1	0
3	4	63										-	-	-											-							-	-
3	19	63										-	-	-											-							-	-
4	1	63										-	-	-											-							-	-
4	15	63	80	59	9	21	82	8	71	4	8	-	-	0											0							0	0
5	6	63										-	-	-											-							-	-
5	21	63										-	-	-											-							-	-
6	4	63	9	58	82	22	80	6	58	4	10	-	-	120	11	5	2	1							13	51	3					0	0
6	17	63										-	-	-											-							-	-
7	2	63										-	-	-											-							-	-
7	15	63										-	-	-											-							-	-
8	6	63										-	-	-											-							-	-
8	20	63										-	-	-											-							-	-
9	3	63	80	26	26	20	58	16	82	8	30	-	-	-											-							-	-
9	17	63	82	17	70	9	23	8	27	7	59	-	-	-											-							-	-

NATIONAL WATER QUALITY NETWORK

PLANKTON POPULATION

STATE MISSOURI
MAJOR BASIN MISSOURI RIVER
MINOR BASIN LOWER MISSOURI-BELOW NIOBRARA RIVER
STATION LOCATION MISSOURI RIVER AT
MISSOURI CITY, MISSOURI 108

DATE OF SAMPLE			DOMINANT SPECIES OF DIATOMS AND PERCENT OF TOTAL DIATOMS (See text for Codes)									FUNGI AND SHEATHED BACTERIA Number per ml.	PROTOZOA (Identifiable) Number per ml.	MICROINVERTEBRATES																			
														ROTIFERS											CRUSTACEA								
			1ST		2ND		3RD		4TH		OTHER SPECIES PERCENT			NUMBER PER LITER	GENERA AND COUNT LEVEL (See text for Codes) 1ST		2ND		3RD		4TH		5TH		NUMBER PER LITER	GENERA AND COUNT LEVEL (See text for Codes) 1ST		2ND		3RD		NEMATODES (Identifiable) Number per liter	OTHER ANIMAL FORMS (Number per liter)
MONTH	DAY	YEAR	SPECIES	PERCENT	SPECIES	PERCENT	SPECIES	PERCENT	SPECIES	PERCENT					GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL		GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL		
10	7	63	82	44	26	20	23	5	80	5	26	-	0	-											-							-	-
10	21	63										-	0	-											-							-	-
11	4	63	82	51	27	24	23	6	26	4	15	-	0	-											-							-	-
11	19	63	32	28	70	15	26	7	80	6	44	-	0	-											-							-	-
12	17	63										-	0	-											-							-	-
2	17	64	82	52	27	9	48	5	2	2	32	-	0	-											-							-	-

NATIONAL WATER QUALITY NETWORK

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE MISSOURI

MAJOR BASIN MISSOURI RIVER

MINOR BASIN LOWER MISSOURI-BELOW NIOBRARA RIVER

STATION LOCATION MISSOURI RIVER AT
MISSOURI CITY, MISSOURI 104

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES					CHLOROFORM EXTRACTABLES								
BEGINNING			END								NEUTRALS								
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
9	27	63	10	3	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-

* FLOW UNKNOWN

NATIONAL WATER QUALITY NETWORK

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE MISSOURI
MAJOR BASIN MISSOURI RIVER
MINOR BASIN LOWER MISSOURI-BELOW NIOBRARA RIVER
STATION LOCATION MISSOURI RIVER AT
MISSOURI CITY, MISSOURI 108

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES										
BEGINNING			END								NEUTRALS								
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	28	63	11	4	4680	96	20	76	0	4	10	2	1	7	0	2	1	1	2
12	2	63	12	9	4800	89	15	74	-	-	-	-	-	-	-	-	-	-	-
12	30	63	1	6	4960	128	35	93	-	-	-	-	-	-	-	-	-	-	-

NATIONAL WATER QUALITY NETWORK

RADIOACTIVITY DETERMINATIONS

STATE MISSOURI
MAJOR BASIN MISSOURI RIVER
MINOR BASIN LOWER MISSOURI-BELOW NIOBRARA RIVER
STATION LOCATION MISSOURI RIVER AT
MISSOURI CITY, MISSOURI 108

DATE SAMPLE TAKEN			DATE OF DETERMINATION		RADIOACTIVITY IN WATER												RADIOACTIVITY IN PLANKTON					
					ALPHA						BETA						DATE OF DETERMINATION		GROSS ACTIVITY			
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL				ALPHA		BETA	
MO.	DAY	YR.	MO.	DAY	pc/l	±	pc/l	±	pc/l	±	pc/l	±	pc/l	±	pc/l	±	MO.	DAY	pc/g	±	pc/g	±
10	2	62	10	26	4	6	2	2	6	6	8	40	7	16	15	43						
10	9	62	11	30	0	1	0	1	0	1	10	11	7	10	17	15						
10	16	62	11	7	2	6	5	3	7	7	52	36	6	15	58	39						
11	6	62	12	4	4	3	5	3	9	4	29	18	30	17	59	25						
11	13	62	12	28	11	7	22	9	33	11	44	22	77	22	121	31						
11	20	62	12	6	6	5	2	3	8	6	51	19	36	15	87	24						
11	28	62	1	3	6	5	6	4	12	6	29	20	32	17	61	26						
12	4	62	12	28	6	4	6	4	12	6	18	17	45	17	63	24						
12	11	62	1	7	6	4	7	4	13	6	27	11	26	10	53	15						
12	17	62	1	9	0	1	6	4	6	4	7	14	27	19	34	24						
12	27	62	1	10	0	2	4	3	4	4	25	16	32	19	57	25						
12	31	62	1	15	1	1	5	3	6	3	7	14	36	18	43	23						
1	7	63	1	18	1	1	3	3	4	3	8	14	29	18	37	23						
1	15	63	1	25	0	1	5	4	5	4	13	13	38	18	51	22						
1	21	63	2	5	3	2	3	4	6	4	2	12	19	18	21	22						
1	28	63	2	14	0	1	6	5	6	5	22	13	45	19	67	23						
2	4	63	2	18	2	1	18	7	20	7	1	7	35	9	36	11						
2	11	63	2	26	5	5	2	3	7	6	42	21	35	18	77	28						
2	18	63	3	4	3	2	4	3	7	3	32	8	42	8	74	11						
2	25	63	4	12	1	2	5	3	6	3	20	16	42	17	62	23						
3	4	63	3	27	12	10	5	3	17	10	131	47	57	17	188	50						
3	11	63	4	1	21	17	1	2	22	17	186	45	52	7	238	46						
3	19	63	4	1	38	27	5	3	43	27	251	53	59	8	310	54						
3	25	63	4	10	0	3	3	2	3	4	196	87	66	17	262	89						
4	29	63	6	3*	9	7	2	3	11	8	79	11	40	8	119	14						
5	27	63	6	25*	21	15	2	2	23	15	194	85	44	17	238	87						
6	25	63	8	6*	18	15	3	3	21	15	201	84	52	18	253	86						
7	31	63	8	23*	14	12	2	2	16	12	154	49	20	8	174	50						
8	27	63	10	4*	10	11	7	4	17	12	129	76	39	16	168	78						
9	24	63	11	20*	3	3	5	5	8	6	27	12	45	13	72	18						

NATIONAL WATER QUALITY NETWORK

RADIOACTIVITY DETERMINATIONS

STATE MISSOURI
MAJOR BASIN MISSOURI RIVER
MINOR BASIN LOWER MISSOURI-BELOW NIOBRARA RIVER
STATION LOCATION MISSOURI RIVER AT
MISSOURI CITY, MISSOURI 106

DATE SAMPLE TAKEN			DATE OF DETERMINATION		RADIOACTIVITY IN WATER												RADIOACTIVITY IN PLANKTON					
					ALPHA						BETA						DATE OF DETERMINATION		GROSS ACTIVITY			
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL				ALPHA		BETA	
MO.	DAY	YR.	MO.	DAY	pc/l	±	pc/l	±	pc/l	±	pc/l	±	pc/l	±	pc/l	±	MO.	DAY	pc/g	±	pc/g	±
10	30	63	12	19*	1	2	2	3	3	4	10	13	22	16	32	21						
11	19	63	1	8*	0	1	1	3	1	3	7	3	27	6	34	7						
12	17	63	2	10*	3	3	5	5	8	6	12	3	25	4	37	5						
1	28	64	3	5*	0	1	0	1	0	1	5	4	25	6	30	7						

NATIONAL WATER QUALITY NETWORK

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE KANSAS
MAJOR BASIN MISSOURI RIVER
MINOR BASIN KANSAS RIVER
STATION LOCATION KANSAS RIVER AT
DE SOTO, KANSAS

128

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
4	30	63	-	-	-	-	-	-	-	-	122	220	340	5	*25	150	.2	650	-
5	7	63	-	-	-	-	-	-	-	-	70	172	250	15	500	85	.1	400	-
5	21	63	-	-	7.4	-	-	-	-	-	66	210	260	15	390	98	.1	510	-
5	28	63	-	-	8.1	-	-	-	-	-	70	174	290	20	*25	85	.1	470	-
6	4	63	-	-	7.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	11	63	27.0	-	8.7	-	-	-	-	-	120	190	290	5	*25	122	.3	570	-
6	18	63	25.0	-	8.1	-	-	-	-	-	76	136	210	15	1500	50	.1	370	-
6	25	63	27.0	-	-	-	-	-	-	-	100	220	300	20	350	122	.9	590	-
7	2	63	31.0	-	8.1	-	-	-	-	-	80	180	230	10	1000	78	.2	430	-
7	9	63	27.0	-	8.1	-	-	-	-	-	60	190	250	10	330	70	.0	390	-
7	16	63	28.0	-	-	-	-	-	-	-	55	128	150	15	3000	60	.2	270	-
7	22	63	29.5	-	8.1	-	-	-	-	-	50	126	210	5	420	85	.2	350	-
7	30	63	26.0	-	8.2	-	-	-	-	-	90	164	240	5	190	110	.5	490	-
8	6	63	27.5	-	8.1	-	-	-	-	-	175	196	330	10	*25	172	.6	770	-
8	13	63	26.0	-	8.1	-	-	-	-	-	100	180	240	10	110	100	.6	470	-
8	20	63	22.0	-	8.1	-	-	-	-	-	100	140	200	10	210	80	.3	420	-
8	27	63	25.0	-	8.1	-	-	-	-	-	165	144	200	5	350	72	.4	360	-
9	3	63	25.0	-	8.5	-	-	-	-	-	90	170	260	5	200	100	.5	460	-
9	10	63	26.0	-	8.1	-	-	-	-	-	120	160	260	5	160	104	.4	540	-
9	17	63	22.0	-	8.1	-	-	-	-	-	65	172	250	10	550	84	.2	430	-
9	24	63	19.0	-	8.1	-	-	-	-	-	85	144	250	5	230	116	.4	470	-

NATIONAL WATER QUALITY NETWORK

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE	KANSAS
MAJOR BASIN	MISSOURI RIVER
MINOR BASIN	KANSAS RIVER
STATION LOCATION	KANSAS RIVER AT DE SOTO, KANSAS

128

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	1	63	19.0	-	7.9	-	-	-	-	-	50	136	200	10	4000	66	.1	340	-
10	8	63	20.5	-	7.9	-	-	-	-	-	65	176	220	5	480	80	.6	440	-
10	15	63	19.5	-	8.1	-	18	-	-	-	80	156	280	-	250	88	.3	370	-
10	22	63	20.0	-	8.1	-	-	-	-	-	130	172	260	-	550	94	.5	480	-
10	29	63	13.0	-	8.5	-	-	-	-	-	100	128	210	-	900	90	.5	380	-
11	6	63	11.5	-	8.3	-	-	-	-	-	100	164	220	-	*25	98	1.5	460	-
11	12	63	10.0	-	7.9	-	19	-	-	-	92	188	250	-	240	95	.9	510	-
11	19	63	8.0	-	8.1	-	-	-	-	-	100	200	290	-	145	96	.4	470	-
11	26	63	6.0	-	7.9	-	-	-	-	-	110	188	290	-	*25	90	.5	470	-
12	3	63	3.0	-	8.1	-	-	-	-	-	140	210	300	0	*25	122	.6	710	-
12	10	63	1.0	-	8.1	-	-	-	-	-	160	220	310	5	*25	118	1.6	740	-
1	21	64	.0	-	7.9	-	-	-	-	-	140	250	360	0	*25	-	1.3	750	-
1	28	64	.0	-	7.7	-	-	-	-	-	165	240	340	5	*25	156	1.0	750	-
2	4	64	-	-	8.1	-	-	-	-	-	165	196	330	0	*25	150	1.3	740	-
2	12	64	3.0	-	7.7	-	-	-	-	-	150	220	350	0	*25	155	1.3	710	-
2	18	64	4.5	-	8.1	-	-	-	-	-	150	220	340	5	*25	150	.6	730	-
2	25	64	-	-	8.3	-	-	-	-	-	145	230	360	5	*25	125	1.0	750	-
3	3	64	9.5	-	8.1	-	-	-	-	-	165	192	310	5	*25	150	1.2	-	-
3	10	64	6.0	-	8.2	-	-	-	-	-	185	230	320	5	*25	142	1.6	770	-

NATIONAL WATER QUALITY NETWORK

PLANKTON POPULATION

STATE KANSAS

MAJOR BASIN MISSOURI RIVER

MINOR BASIN KANSAS RIVER

STATION LOCATION KANSAS RIVER AT
DE SOTO, KANSAS 128

DATE OF SAMPLE			ALGAE *(Number per milliliter)*									INERT DIATOM SHELLS		MOST ABUNDANT ALGAE - *Genera and Count Level per ml. (See text for Codes)*																			
			TOTAL	BLUE-GREEN		GREEN		FLAGELLATED *(Pigmented)*		DIATOMS				1ST		2ND		3RD		4TH		5TH		6TH		7TH		8TH		9TH		10TH	
MONTH	DAY	YEAR		COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL
5	7	63	900	0	0	150	0	40	0	400	330	350	900																				
5	20	63	1500	0	0	40	0	0	0	1170	240	130	330	71	3																		
6	18	63	800	0	0	40	0	0	0	550	220	290	1190																				
8	6	63	25200	0	0	4460	0	260	0	12230	8210	10540	3170	38	4	35	3	31	2	25	2	69	2	24	1	32	1	45	1				
8	20	63	16300	20	70	3290	0	240	40	9290	3380	6770	3380	38	3	24	3	25	2	37	1	35	1	44	1								
9	2	63	60500	20	0	5680	0	1520	20	49210	4000	4660	900	38	5	57	3	52	2	35	2	24	2	25	2	51	2	30	1	69	1	44	1
9	24	63	1900	0	0	230	0	430	0	480	750	70	200	51	1	52	1																

NATIONAL WATER QUALITY NETWORK

PLANKTON POPULATION

STATE KANSAS

MAJOR BASIN MISSOURI RIVER

MINOR BASIN KANSAS RIVER

STATION LOCATION KANSAS RIVER AT

DE SOTO, KANSAS 128

DATE OF SAMPLE			ALGAE (Number per milliliter)									INERT DIATOM SHELLS		MOST ABUNDANT ALGAE - Genera and Count Level per ml. (See text for Codes)																			
			TOTAL	BLUE-GREEN		GREEN		FLAGELLATED (Pigmented)		DIATOMS				1ST		2ND		3RD		4TH		5TH		6TH		7TH		8TH		9TH		10TH	
MONTH	DAY	YEAR		COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	OTHER	CENTRIC	PENNATE	CENTRIC	PENNATE	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL
10	1	63	-	-	-	-	-	-	-	-	-	-	-																				
10	22	63	-	-	-	-	-	-	-	-	-	-	-																				
11	6	63	1000	0	0	160	0	140	0	520	200	250	320																				
11	19	63	6100	0	0	370	0	370	0	3130	2200	1880	120	69	2	51	2	25	1														
12	3	63	126400	0	0	130	0	470	0	123810	2000	620	140	51	2																		
1	21	64	3300	0	0	0	0	630	0	1290	1330	90	110	51	3																		
2	4	64	5100	0	0	70	0	560	90	2300	2120	160	290	51	1	52	1																
2	18	64	4400	0	0	520	0	1400	110	1550	860	320	180	51	3	44	1	59	1														

NATIONAL WATER QUALITY NETWORK

PLANKTON POPULATION

STATE KANSAS

MAJOR BASIN MISSOURI RIVER

MINOR BASIN KANSAS RIVER

STATION LOCATION KANSAS RIVER AT
DE SOTO, KANSAS 128

DATE OF SAMPLE			DOMINANT SPECIES OF DIATOMS AND PERCENT OF TOTAL DIATOMS (See text for Codes)									FUNGI AND SHEATHED BACTERIA Number per ml.	MICROINVERTEBRATES																				
			1ST		2ND		3RD		4TH		OTHER SPECIES PERCENT		PROTOZOA (Identifiable) Number per ml.	ROTIFERS											CRUSTACEA							NEMATODES (Identifiable) Number per liter	OTHER ANIMAL FORMS (Number per liter)
														NUMBER PER LITER	GENERA AND COUNT LEVEL (See text for Codes)										NUMBER PER LITER	GENERA AND COUNT LEVEL (See text for Codes)							
															1ST		2ND		3RD		4TH		5TH			1ST		2ND		3RD			
MONTH	DAY	YEAR	SPECIES	PERCENT	SPECIES	PERCENT	SPECIES	PERCENT	SPECIES	PERCENT					GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL		GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL		
5	7	63										-	-	-											-							-	-
5	20	63	80	80	56	4	9	3	14	2	11	-	-	-											-							-	-
6	18	63										-	-	-											-							-	-
8	6	63										-	-	-											-							-	-
8	20	63										-	-	-											-							-	-
9	2	63										-	-	-											-							-	-
9	24	63										-	-	-											-							-	-

NATIONAL WATER QUALITY NETWORK

PLANKTON POPULATION

STATE KANSAS
MAJOR BASIN MISSOURI RIVER
MINOR BASIN KANSAS RIVER
STATION LOCATION KANSAS RIVER AT
DE SOTO, KANSAS 128

DATE OF SAMPLE			DOMINANT SPECIES OF DIATOMS AND PERCENT OF TOTAL DIATOMS (See text for Codes)									FUNGI AND SHEATHED BACTERIA Number per ml.	MICROINVERTEBRATES																				
			1ST		2ND		3RD		4TH		OTHER SPECIES PERCENT		PROTOZOA (Identifiable) Number per ml.	ROTIFERS											CRUSTACEA							NEMATODES (Identifiable) Number per liter	OTHER ANIMAL FORMS (Number per liter)
MONTH	DAY	YEAR	SPECIES	PERCENT	SPECIES	PERCENT	SPECIES	PERCENT	SPECIES	PERCENT				NUMBER PER LITER	GENERA AND COUNT LEVEL (See text for Codes)										NUMBER PER LITER	GENERA AND COUNT LEVEL (See text for Codes)							
															1ST		2ND		3RD		4TH		5TH			1ST		2ND		3RD			
															GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL		GENUS	COUNT LEVEL	GENUS	COUNT LEVEL	GENUS	COUNT LEVEL		
10	1	63										-	0	-											-							-	-
10	22	63										-	0	-											-							-	-
11	6	63										-	0	-											-							-	-
11	19	63										-	0	-											-							-	-
12	3	63										-	0	-											-							-	-
1	21	64										-	0	-											-							-	-
2	4	64										-	0	-											-							-	-
2	18	64										-	0	-											-							-	-

NATIONAL WATER QUALITY NETWORK

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE KANSAS
MAJOR BASIN MISSOURI RIVER
MINOR BASIN KANSAS RIVER
STATION LOCATION KANSAS RIVER AT
DE SOTO, KANSAS 126

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES										
BEGINNING			END								NEUTRALS								
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
9	10	63	9	27	5030	85	26	59	0	4	15	4	2	9	0	3	1	1	2

NATIONAL WATER QUALITY NETWORK

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE KANSAS
MAJOR BASIN MISSOURI RIVER
MINOR BASIN KANSAS RIVER
STATION LOCATION KANSAS RIVER AT
DE SOTO, KANSAS 126

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES					CHLOROFORM EXTRACTABLES								
BEGINNING			END								NEUTRALS								
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	2	63	10	13	5290	84	24	60	1	7	8	1	1	6	0	3	2	0	3
11	1	63	11	12	5010	100	21	79	-	-	-	-	-	-	-	-	-	-	-
12	2	63	12	11	2260#	308	64	244	-	-	-	-	-	-	-	-	-	-	-

ESTIMATED

NATIONAL WATER QUALITY NETWORK

RADIOACTIVITY DETERMINATIONS

STATE KANSAS
MAJOR BASIN MISSOURI RIVER
MINOR BASIN KANSAS RIVER
STATION LOCATION KANSAS RIVER AT
DE SOTO, KANSAS

128

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER															RADIOACTIVITY IN PLANKTON					
			DATE OF DETERMINATION		ALPHA						BETA							DATE OF DETERMINATION		GROSS ACTIVITY			
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL					ALPHA		BETA	
MO.	DAY	YR.	MO.	DAY	pc/l	±	pc/l	±	pc/l	±	pc/l	±	pc/l	±	pc/l	±		MO.	DAY	pc/g	±	pc/g	±
4	30	63	5	17	0	2	3	4	3	4	31	22	85	29	116	36							
5	7	63	5	27	0	7	1	2	1	7	195	35	100	8	295	36							
5	14	63	6	12	1	1	0	2	1	2	40	6	77	9	117	11							
5	21	63	6	5	2	4	4	3	6	5	227	39	85	17	312	43							
5	28	63	6	12	13	14	0	2	13	14	556	92	127	18	683	94							
6	4	63	6	17	3	2	3	3	6	4	35	7	71	8	106	11							
6	11	63	7	1	1	1	5	4	6	4	16	6	76	9	92	11							
6	18	63	7	10	5	3	1	1	6	3	56	11	68	10	124	15							
6	25	63	7	10	5	4	5	3	10	5	102	19	79	17	181	25							
7	2	63	7	17	25	19	0	2	25	19	485	94	78	16	563	95							
7	9	63	7	31	6	4	2	2	8	4	91	22	70	10	161	24							
7	16	63	8	7	64	44	2	2	66	44	598	188	49	10	647	188							
7	22	63	8	12	10	6	3	2	13	6	100	19	49	8	149	21							
7	30	63	8	12	4	2	4	3	8	4	33	8	61	8	94	11							
8	6	63	8	21	1	1	2	3	3	3	16	8	60	29	76	30							
8	13	63	8	27	0	1	2	3	2	3	38	14	58	17	96	22							
8	20	63	9	16	4	3	0	1	4	3	80	9	62	8	142	12							
8	27	63	9	16	6	4	2	2	8	4	46	9	46	8	92	12							
9	3	63	9	23	9	5	13	7	22	9	122	10	128	11	250	15							
9	10	63	10	2	4	3	5	3	9	4	46	16	55	16	101	23							
9	17	63	10	4	11	9	3	3	14	9	105	41	52	16	157	44							
9	24	63	10	8	3	3	0	3	3	4	38	16	54	17	92	23							

NATIONAL WATER QUALITY NETWORK

RADIOACTIVITY DETERMINATIONS

STATE KANSAS
MAJOR BASIN MISSOURI RIVER
MINOR BASIN KANSAS RIVER
STATION LOCATION KANSAS RIVER AT
DE SOTO, KANSAS 126

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER																RADIOACTIVITY IN PLANKTON					
			DATE OF DETERMINATION		ALPHA						BETA								DATE OF DETERMINATION		GROSS ACTIVITY			
					SUSPENDED		DISSOLVED		TOTAL		SUSPENDED		DISSOLVED		TOTAL						ALPHA		BETA	
MO.	DAY	YR.	MO.	DAY	pc/l	±	pc/l	±	pc/l	±	pc/l	±	pc/l	±	pc/l	±			MO.	DAY	pc/g	±	pc/g	±
10	1	63	10	17	14	46	1	2	15	46	493	362	40	9	533	362								
10	8	63	10	29	11	6	4	3	15	7	49	35	46	15	95	38								
10	15	63	11	14	3	2	2	3	5	3	26	16	47	16	73	23								
10	22	63	11	25	10	7	3	3	13	8	94	28	41	12	135	30								
10	29	63	11	21	5	5	2	3	7	6	128	32	50	17	178	36								
11	6	63	12	6	6	5	5	5	11	6	70	19	41	16	111	25								
11	12	63	12	5	3	3	2	3	5	4	41	15	45	16	86	22								
11	19	63	12	24	1	2	2	4	3	4	18	14	20	16	38	21								
11	26	63	12	24	1	1	0	3	1	3	8	6	38	16	46	17								
12	3	63	12	26	2	1	3	3	5	3	11	2	47	6	58	6								
12	10	63	1	3	0	0	0	3	0	3	7	2	32	7	39	7								
1	21	64	2	13	0	1	0	3	0	3	2	3	29	10	31	10								
1	28	64	2	13	1	1	2	5	3	5	4	2	29	10	33	10								
2	4	64	2	27	0	1	2	6	2	6	3	2	28	10	31	10								
2	12	64	3	10	0	1	5	6	5	6	22	3	48	11	70	11								
2	18	64	3	13	0	0	2	3	2	3	3	2	19	10	22	10								
2	25	64	3	13	0	0	7	3	7	3	3	2	23	10	26	10								

PHS WATER POLLUTION SURVEILLANCE SYSTEM

SPECIFIC IDENTIFICATIONS OF ORGANIC SUBSTANCES

Water Quality Section
Organics Laboratory

B-342-a

SPECIFIC IDENTIFICATIONS

STA. #	RIVER	SAMPLING LOCATION	TYPE OF SAMPLE	RAW OR FINISHED	SAMPLING DATE(S) START	FINISHED	QUALITATIVE (a) IDENTIFICATIONS	CONCENTRATION(b) µg/l
23	Miss.	Cape Girardeau,Mo.	CCE	R	8/5/63	8/19/63	Endrin Dieldrin	0.007 0.005
23	Miss.	Cape Girardeau,Mo.	CCE	R	9/3/63	9/11/63	Endrin Dieldrin	<0.001 0.003
23	Miss.	Cape Girardeau,Mo.	CCE	R	10/7/63	10/21/63	Endrin Dieldrin	<0.001 0.001
23	Miss.	Cape Girardeau,Mo.	CCE	R	11/4/63	11/12/63	Dieldrin	0.002
23	Miss.	Cape Girardeau,Mo.	CCE	R	1/6/64	1/20/64	Dieldrin	0.001
23	Miss.	Cape Girardeau,Mo.	CCE	R	2/3/64	2/17/64	Dieldrin	0.001
23	Miss.	Cape Girardeau,Mo.	CCE	F	3/28/62	4/11/62	Dieldrin	0.001
-	Miss.	0.25 miles N. Jefferson Barracks Bridge, Mo.	Grab at bottom	R	12/5/63	-	Endrin Dieldrin	<0.001(d) 0.048(d)
-	Miss.	1.5 miles N. Alton Dam, Mo.	Grab at bottom	R	12/5/63	-	Endrin Dieldrin	<0.001(d) 0.198(d)
-	Miss.	1.5 miles N. Alton Dam, Ill.	Grab at bottom	R	12/5/63	-	Endrin Dieldrin	<0.001(d) 0.030(d)
-	Miss.	0.5 miles N. Jefferson Barracks Bridge, Ill.	Grab at bottom	R	12/5/63	-	Endrin Dieldrin	0.001(d) 0.056(d)
25	Miss.	Burlington, Iowa	CCE	R	8/5/63	8/13/63	Endrin Dieldrin	<0.001 0.001
25	Miss.	Burlington, Iowa	CCE	R	9/2/63	9/19/63	Endrin Dieldrin	<0.001 <0.001
25	Miss.	Burlington, Iowa	CCE	R	10/7/63	10/15/63	Endrin Dieldrin	<0.001 0.001
26	Miss.	Dubuque, Iowa	CCE	R	8/10/63	8/15/63	Endrin Dieldrin	<0.001 0.067

STA. #	RIVER	SAMPLING LOCATION	TYPE OF SAMPLE	RAW OR FINISHED	SAMPLING DATE(S) START	FINISHED	QUALITATIVE(a) IDENTIFICATIONS	CONCENTRATION(b) µg/l
26	Miss.	Dubuque, Iowa	CCE	R	9/4/63	9/17/63	Endrin	<0.001
							Dieldrin	<0.001
26	Miss.	Dubuque, Iowa	CCE	R	10/7/63	10/14/63	Endrin	<0.001
							Dieldrin	<0.001
28	Missouri	St. Louis, Mo.	CCE	R	10/13/58	10/27/58	Dieldrin	0.003
28	Missouri	St. Louis, Mo.	CCE	R	8/15/63	8/30/63	Dieldrin	0.004
28	Missouri	St. Louis, Mo.	CCE	R	9/15/63	9/30/63	Dieldrin	0.003
28	Missouri	St. Louis, Mo.	CCE	R	10/15/63	10/30/63	Dieldrin	0.002
28	Missouri	St. Louis, Mo.	CCE	R	11/15/63	11/29/63	Dieldrin	0.002
28	Missouri	St. Louis, Mo.	CCE	R	12/16/63	12/31/63	Dieldrin	0.002
29	Missouri	Kansas City, Kan.	Grab	R	1/20/64	-	Dieldrin	0.040(d)
29	Missouri	Kansas City, Kan.	Grab	R	2/3/64	-	Dieldrin	0.051(d)
29	Missouri	Kansas City, Kan.	Grab	R	2/17/64	-	Dieldrin	0.029(d)
30	Missouri	St. Joseph, Mo.	Grab	R	1/20/64	-	Dieldrin	0.023(d)
30	Missouri	St. Joseph, Mo.	Grab	R	2/3/64	-	Dieldrin	0.020(d)
30	Missouri	St. Joseph, Mo.	Grab	R	2/17/64	-	Dieldrin	0.020(d)

(a) Procedure employed will detect dieldrin, endrin, DDT, DDD, DDE, aldrin, heptachlor, and heptachlor epoxide.

(b) Concentration values are calculated from quantitative gas chromatographic analysis of the material obtained by thin layer chromatographic separation of the aromatic fraction of the CCE. In the light of the unknown efficiency of carbon adsorption sampling for these compounds, the reported values represent minima; the actual values being equal to or most likely greater than the reported values.

(d) Grab sample; footnote (b) does not apply.

POLLUTION-CAUSED FISH KILL

SUMMARY BY STATE

GSA-KANSAS CITY-64-1543

Pollution-Caused Fish Kill Summary by State

State	Number of Reports	REPORTING FISH		EXTENT OF DAMAGE					
				Miles of River		Acres of Lake		Miles of Shore	
		Number of Reports	Number of Reports	Number of Reports	Miles	Number of Reports	Acres	Number of Reports	Miles
1960									
Iowa	5	3	1,375	5	14	-	-	-	-
Kansas	-	-	-	-	-	-	-	-	-
Missouri	7	6	38,000	6	57	-	-	-	-
Nebraska	2	2	10,500	2	6	-	-	-	-
1961									
Iowa	18	9	42,300	9	208	1	25	-	-
Kansas	4	-	(*)	1	25	-	-	-	-
Missouri	11	10	51,300	7	54	2	7	-	-
Nebraska	1	-	(*)	1	1	-	-	-	-
1962									
Iowa	3	2	5,825	-	-	-	-	-	-
Kansas	1	1	5,000	1	2	-	-	-	-
Missouri	13	11	13,800	8	31	3	8	2	3
Nebraska	6	1	100,000	3	12	3	8	-	-

* Number of fish not reported